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HAROLD LEGGETT, PH.D.
SECRETARY

State of Louisiana

DEPARTMENT OF ENVIRONMENTAL QUALITY ENVIRONMENTAL SERVICES

Certified Mail No.

Agency Interest No. 12483
Activity No.: PER20040001

Mr. David Kellam
Vice President Solid Wood Operations
TIN Inc., dba Temple-Inland
P.O. Drawer N
303 S. Temple Dr.
Diboll, TX 75941

RE: Part 70 Operating Permit Renewal and Modification, Southwest Louisiana Lumber Operations
TIN Inc., dba Temple-Inland, Ragley, Beauregard Parish, Louisiana

Dear Mr. Kellam:

This is to inform you that the permit renewal and modification for the above referenced facility has been approved under LAC 33:III.501. The permit renewal is both a state preconstruction and Part 70 Operating Permit. The submittal was approved on the basis of the emissions reported and the approval in no way guarantees the design scheme presented will be capable of controlling the emissions as to the types and quantities stated. A new application must be submitted if the reported emissions are exceeded after operations begin. The synopsis, data sheets and conditions are attached herewith.

It will be considered a violation of the permit if all proposed control measures and/or equipment are not installed and properly operated and maintained as specified in the application.

Operation of this facility is hereby authorized under the terms and conditions of this permit. This authorization shall expire at midnight on the _____ of _____, 2013, unless a timely and complete renewal application has been submitted six months prior to expiration. Terms and conditions of this permit shall remain in effect until such time as the permitting authority takes final action on the application for permit renewal. The permit number and agency interest number cited above should be referenced in future correspondence regarding this facility.

Done this _____ day of _____, 2008.

Permit No.: 0320-00018-V2

Sincerely,

Cheryl Sonnier Nolan
Assistant Secretary

CSN:CWS
cc: EPA Region VI

**AIR PERMIT BRIEFING SHEET
AIR PERMITS DIVISION
LOUISIANA DEPARTMENT OF ENVIRONMENTAL QUALITY**

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Ragley, Beauregard Parish, Louisiana**

I. Background

TIN Inc., dba Temple-Inland, owns and operates the Southwest Louisiana Lumber Operations (SWLA) facility, a sawmill near the town of Ragley in Beauregard Parish, Louisiana. The SWLA facility produces dimensional pine lumber and wood chips. The site was originally permitted under Permit No. 0320-00018-00, issued on September 30, 1988.

With Permit No. 0320-00018-V0, issued June 29, 2000, Temple-Inland Forest Products Corporation (TIFPC) added a fourth dry kiln. Other additions included a feed roller between the sharp chipper heads and the band mills, a shape sawing gang, and ten green sorter bins. The board edge scanner, in-feed, saw box, and green trimmer sorter line were upgraded. High speed belts replaced chains at the log bucking station. An additional 3,600 square feet of finished lumber warehouse capacity was also added.

The current operating permit for this facility, 0320-00018-V1, was issued on February 1, 2001. This permit modification included provisions to raise the maximum operating rates for the four wood-fired dry kilns (along with the corresponding emissions) to 70.0 million bd-ft/yr and 8,760 hours per year. The aggregate throughput cap of 198 MM bd-ft/yr on the kilns and permitted emissions remained unchanged.

This is the Part 70 operating permit renewal and modification for the facility. It includes provisions for a major modification and PSD-LA-724.

II. Origin

A permit application and Emission Inventory Questionnaire were submitted by TIFPC on December 30, 2004 requesting a Part 70 operating permit renewal. TIN Inc., dba Temple Inland, received a change of owner/operator letter for the SWLA facility on June 1, 2005. An addendum to the original application dated December 6, 2006, and additional information, dated July 20 and October 26, 2007, and June 27, 2008, was also received.

III. Description

The SWLA facility is a high production, low manpower sawmill. The sawmill is designed to produce up to 198 MM bf/yr on a nominal basis.

A forty-ton, pedestal mounted crane and a portable loader are used to unload and handle logs delivered to the site by trucks. Tree-length logs are stored in the log yard adjacent to the plant site. Logs under the crane are stored under wetdeck conditions using water recycle from the log irrigation pond. Wetdecking in the adjacent satellite log yard is accomplished using once through well water.

Initially, logs are debarked and cut into usable lengths. Bark from the debarker and log conveyor, sawdust from the cutoff saws and sawmill, and tops, chunks, and tree debris are collected and conveyed by a chain conveyor to a bark hog. The hog, using an enclosed

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bottom, gravity discharge, delivers the processed wood byproducts to the sawdust truck bin via a belt conveyor.

After debarking and cutting to usable lengths, large tree tops of pulpwood are converted to chips by the topwood chipper. This chipper is also an enclosed bottom, gravity discharge type unit. Chips are collected in a surge chamber and deposited directly into a closed chain/vibrating pan/belt conveyor system for delivery to the pulpwood chip storage bins (after screening) for truck and railcar loading. Larger pieces are processed by two additional enclosed bottom, gravity discharge type chippers and delivered by conveyors to the chip storage bins (after screening) for truck and rail car loading.

The lower floor of the sawmill is a combination of chain and/or vibration conveyor systems. This equipment provides a clean basement area, thus minimizing the possibility of fugitive dust emissions. Wet sawdust and chips fines are conveyed to the wet wood fuel/bark collection system for delivery to the sawdust truck bin. This material is shipped to other sites by truck for use as boiler fuel or raw material. There is no pneumatic conveyance of any of this material. Transfer of wood chips, wet sawdust, and bark is accomplished using slow moving chains, covered belt conveyors, or vibrating conveyors.

After exiting the sawmill and prior to being kiln dried, rough-cut green lumber is transferred to the sorter building for accumulation by size. Utilizing optimized systems of lasers and photocells and computer analyzers, the green lumber is trimmed to length, width, and thickness by the green sorter system into bundles that can be transformed by forklift to the green storage area, or directly to the green stacker. Alternatively, some of this lumber may be loaded on trucks and shipped offsite.

Lumber is dried in one of four direct fired, high temperature kilns. The dry kilns are heated by the direct introduction of combustion gases from a dry wood suspension burner into the kiln air recirculation plenum chamber. The burners are fired by biomass fuel in the form of shavings, sawdust, and trim from the planer mill. The fuel material is hammer-milled or ground and screened to insure that it is properly sized for the burner systems. There are no exhaust stacks or bypass stacks associated with this process; air emissions are fugitives from the kiln door seals and from the operation of humidity controlled relief vents in the kiln roof. Fugitive emissions are minimized by recirculation and reheating of kiln air.

After drying, lumber is transferred to a cooling shed and allowed to equalize with ambient temperature and humidity. Rough lumber is then loaded onto a conveyor that feeds the planer machine and trimmer for finishing. Kiln-dried wood byproducts from the planer machine and trim saws are picked up by a low pressure, high volume suction system for transfer to the dry wood shavings storage bin.

Dry shavings/air separation occurs in a high efficiency planer cyclone with bottom discharge to either a shavings truck bin or the fuel storage system. Exhaust from this cyclone is vented through a fabric filter to minimize particulate emissions at EQT003, EP-1P - Lumber Planer, Cut-off Saws, and Reclaim Hog Baghouse. Dry shavings are hauled from the bin by truck to

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other mills for use as raw material.

Alternatively, dry wood shavings may be conveyed via a closed screw conveyor to the adjacent fuel preparation system for screening, refining, and transfer via high pressure, low volume, pneumatic conveying system to one of two dry wood fuel storage silos. Material/conveying air separation at the silos is accomplished by EQT005, EP-2P - Fuel Silos Cyclone.

Ash contained on the rough lumber is dislodged during the planer in-feed process. The bulk of this ash accumulates on the planer room floor and can be swept up. Some ash material is captured by a high pressure suction system that vents to the EQT004, EP-2F - Ash Collection System Baghouse. A minor amount is discharged to the atmosphere through an adjacent building vent.

Finally, dry finished lumber is graded, sorted, warehoused, and shipped offsite via rail cars and trucks. The sawmill is currently designed to produce 198 million board feet annually (nominal basis) of dimensional lumber, excluding green one-inch production.

No. 5 Wood-Fired Dry Kiln SWLA Expansion Project

TIN Inc., dba Temple Inland, has projected an increase in the market demand for dimensional lumber products. To meet this demand, the SWLA facility proposes to increase the production capacity of the existing four wood-fired dry kilns, EQT006, EP-3K - Wood-Fired Dry Kiln No. 1, EQT007, EP-4K - Wood-Fired Dry Kiln No. 2, EQT008, EP-5K - Wood-Fired Dry Kiln No. 3, and EQT009, EP-6K - Wood-Fired Dry Kiln No. 4, from 198,000 M bf/yr to 203,600 M bf/yr. The SWLA facility is also proposing to add a fifth wood-fired dry kiln, EQT012, EP-7K - Wood-Fired Dry Kiln No. 5, with the same capacity (50.9 MM bf/yr) as the existing wood-fired dry kilns, bringing the total production capacity of the facility to 254.5 MM bf/yr.

As part of this project, the SWLA facility proposes to modify the existing lumber planer, EQT003, EP-1P - Lumber Planer, Cut-off Saws, and Reclaim Hog Baghouse, by adding cutting knives to increase the rate of production. Currently, the Lumber Planer has sixteen cutting knives and averages 1,200 to 1,250 feet per minute. The proposed change adds four cutting knives for a total of twenty cutting knives. This modification increases the rate of production to a potential maximum of 1,500 feet per minute.

The SWLA facility proposes to update the particulate matter emission factors (PM and PM₁₀) and emission rates for EQT005, EP-2P - Fuel Silos Cyclone. The previous emission factor had been based on engineering judgment. The source emissions have been updated to use an emission factor based on information provided by the National Council for Air and Stream Improvement (NCASI) for the Dry Lumber Trim Group and the project production increase.

The SWLA facility proposes to update NO_x and CO emission factors for the kilns to be representative of direct-fired kilns. The source emissions for wood fuel firing have been

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updated to use emission factors based on vendor data for CO and information provided by NCASI for NO_x.

Finally in this modification, the SWLA facility will add FUG002, HAULROAD - Haul Roads, as an emission source. The emergency back-up diesel engine will be added as an Insignificant Activity per LAC 33:III.501.B.5.D.

Emission changes in tons per year due to the project are as follows:

Pollutant	Actual *	Demand Growth	Proposed	Net Emission Increase:	PSD Significance	Review Required?
					Level	
PM	50.81	15.61	85.37	+ 18.95	25	No
PM ₁₀	39.77	12.55	67.24	+ 14.93	15	No
SO ₂	4.88	2.01	8.86	+ 1.97	40	No
NO _x	25.19	6.06	40.17	+ 8.92	40	No
CO	111.51	45.95	202.39	+ 44.93	100	No
VOC	227.92	55.28	364.01	+ 80.81	40	Yes

* Baseline actual emissions for periods before the physical or operational changes proposed with this project are based on the average annual production rates during the years 2004 and 2005.

A comparison of the net emission increase and the respective PSD significance levels for PM, PM₁₀, SO₂, NO_x, CO, and VOC, associated with the No. 5 Wood-Fired Dry Kiln SWLA Expansion Project, indicates that only the increase in VOC emissions is greater than its PSD significance level and is subject to PSD review. No netting calculations were performed for this project. A comparison of baseline actual to future potential emissions was performed for the new or modified sources: the addition of Wood-Fired Dry Kiln No. 5, the production capacity increase for the existing Wood-Fired Dry Kilns No. 1 – 4, and the modification to the lumber planer. A comparison of baseline actual to projected actual emissions was performed for all affected sources from the modification. These sources include the following: the Cut-off Saws and Reclaim Baghouse, Ash Collection Baghouse, Fuel Silos Cyclone, Material Handling Fugitives, and Haul Roads.

The emissions due to demand growth at the SWLA facility can be excluded from the net emissions increase for this project. The SWLA facility is capable of an increase in utilization from current baseline actual to the current maximum lumber production levels. The current maximum lumber production is 198 MM bf/yr. Based on review of the production records over the baseline period 2004 – 2005, the production of the existing four kilns has exceeded the maximum monthly annualized rate (198 MM bf/yr / 12 or 16,500 M bf/month) for one month in the 24 month period and the production has been greater than 96% of the maximum monthly

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annualized rate three out of the last 24 months. Therefore, in determining the projected actual emissions, the emissions associated with utilization up to 198 MM bf/yr have been excluded from the increase in emissions due to the project.

The selection of BACT was based on a "top down" approach and included consideration of control of toxic materials. A more thorough discussion of the BACT selection process can be found in PSD-LA-724.

Estimated emissions in tons per year are as follows:

Pollutant	Before	After	Change
PM ₁₀	69.38	67.26	- 2.12
SO ₂	1.50	8.87	+ 7.37
NO _x	29.84	40.35	+ 10.51
CO	209.98	202.43	- 7.55
VOC *	267.65	364.36	+ 96.71

*** VOC LAC 33:III Chapter 51 Toxic Air Pollutants (TAPs):**

Pollutant	Before	After	Change
Acetaldehyde	-	3.56	+ 3.56
Acrolein	-	0.791	+ 0.791
Benzene	-	0.09	+ 0.09
Dibutyl Phthalate	-	0.01	+ 0.01
Formaldehyde	2.48	5.09	+ 2.61
Methanol	25.74	20.36	- 5.38
n-Hexane	-	0.10	+ 0.10
Naphthalene	-	0.03	+ 0.03
Propionaldehyde	-	0.13	+ 0.13
Total	28.22	30.161	+ 1.941

* Other VOC (TPY):	Before	After	Change
	239.43	334.19	+ 94.63

Non-VOC LAC 33:III Chapter 51 Toxic Air Pollutants (TAPs):

Pollutant	Before	After	Change
Barium	-	1.699	+ 1.699
Chromium	-	0.009	+ 0.009
Copper	-	0.017	+ 0.017
Dichloromethane	-	0.12	+ 0.12

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Non-VOC LAC 33:III Chapter 51 Toxic Air Pollutants (TAPs):

Pollutant	Before	After	Change
Hydrogen Chloride	-	0.12	+ 0.12
Manganese	-	0.64	+ 0.64
Tetrachloroethylene	-	0.02	+ 0.02
1,1,1-Trichloroethane	-	0.01	+ 0.01
Zinc	-	0.09	+ 0.09
Total	-	2.725	+ 2.725

Supplemental LAC 33:III Chapter 51 Toxic Air Pollutants (TAPs):

Pollutant	Before	After	Change
Cobalt	-	0.15	+ 0.15
Phosphorus	-	0.04	+ 0.04
Total	-	0.19	+ 0.19

IV. Type of Review

This permit was reviewed for compliance with 40 CFR 70, the Louisiana Air Quality Regulations, Prevention of Significant Deterioration (PSD), and National Emission Standards for Hazardous Air Pollutants (NESHAP). New Source Performance Standards (NSPS) do not apply.

This facility is a major source of toxic air pollutants (TAPs) pursuant to LAC 33:III.Chapter 51.

Acetaldehyde, Acrolein, Barium, Copper, Formaldehyde, and Manganese are Class I or II TAPs which are emitted at a rate greater than the Minimum Emission Rate (MER) listed in LAC 33:III.5112, Table 51.1. TIN Inc., dba Temple Inland, shall control emissions of these pollutants to a degree that constitutes Maximum Achievable Control Technology (MACT) according to LAC 33:III.5109.A. NESHAP Subpart DDDD for Plywood and Composite Wood Products applies to the SWLA facility. Maximum Achievable Control Technology for kilns under Subpart DDDD is no additional control for kilns located at sawmills. Methanol is also emitted above its MER; however, MACT is not required because it is a Class III TAP.

The SWLA facility is subject to the following NESHAP regulation:

- NESHAP Subpart DDDD – National Emission Standards for Hazardous Air Pollutants: Plywood and Composite Wood Products

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V. Credible Evidence

Notwithstanding any other provisions of any applicable rule or regulation or requirement of this permit that state specific methods that may be used to assess compliance with applicable requirements, pursuant to 40 CFR Part 70 and EPA's Credible Evidence Rule, 62 Fed. Reg. 8314 (Feb. 24, 1997), any credible evidence or information relevant to whether a source would have been in compliance with applicable requirements if the appropriate performance or compliance test or procedure had been performed shall be considered for purposes of Title V compliance certifications. Furthermore, for purposes of establishing whether or not a person has violated or is in violation of any emissions limitation or standard or permit condition, nothing in this permit shall preclude the use, including the exclusive use, by any person of any such credible evidence or information.

VI. Public Notice

A notice requesting public comment on the permit was published in *The Advocate*, Baton Rouge, on <date>, 2008; and in the <local paper>, <local town>, on <date>, 2008. A copy of the public notice was mailed to concerned citizens listed in the Office of Environmental Services Public Notice Mailing List on <date>, 2008. The draft permit was also submitted to US EPA Region VI on <date>, 2008. All comments will be considered prior to the final permit decision.

VII. Effects on Ambient Air

Dispersion Model(s) Used: AERMOD

Pollutant	Time Period	Calculated Maximum Ground Level Concentration	Louisiana Toxic Air Pollutant Ambient Air Quality Standard or (National Ambient Air Quality Standard {NAAQS})
Acrolein	8 Hour	2.6 µg/m ³	(5.40 µg/m ³)
Formaldehyde	Annual	1.6 µg/m ³	(7.69 µg/m ³)

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VIII. General Condition XVII Activities

Work Activity	Schedule	PM ₁₀	Emission Rates - tons				
			SO ₂	NO _x	CO	VOC	

IX. Insignificant Activities

ID No.:	Description	Citation
-	Back-up Diesel Engine (90 hp) *	LAC 33:III.501.B.5.D
-	Acetylene Storage Cylinders	LAC 33:III.501.B.5.B.3
-	Air Compressor	LAC 33:III.501.B.5.B.24
-	Babbit Pots Vent	LAC 33:III.501.B.5.B.3
-	Battery Charger	LAC 33:III.501.B.5.B.3
-	Brazing	LAC 33:III.501.B.5.B.3
-	Building Maintenance	LAC 33:III.501.B.5.B.1
-	Cutting Torches	LAC 33:III.501.B.5.B.3
-	Miscellaneous Building Comfort Vents	LAC 33:III.501.B.5.B.17
-	Janitorial Activities	LAC 33:III.501.B.5.B.1
-	Knife and Saw Blade Sharpening	LAC 33:III.501.B.5.B.3
-	Knife and Saw Blade Sharpening Fluid Storage	LAC 33:III.501.B.5.A.2
-	Maintenance and Construction Coating (VOC < 3.5 lb/gal)	LAC 33:III.501.B.5.B.2
-	Maintenance Welding	LAC 33:III.501.B.5.B.1 & B.3
-	Metal Lathe/Grinder	LAC 33:III.501.B.5.B.3
-	Oxygen Storage Containers	LAC 33:III.501.B.5.C.2
-	Rebricking of Burners	LAC 33:III.501.B.5.B.3
-	Rust Inhibitors (WD40)	LAC 33:III.501.B.5.B.3
-	Sandblasting	LAC 33:III.501.B.5.B.3
-	Sawmill Chain Diesel Lube	LAC 33:III.501.B.5.B.16
-	Silver Soldering Operations	LAC 33:III.501.B.5.B.3
-	Soldering	LAC 33:III.501.B.5.B.3
-	Steam Cleaning	LAC 33:III.501.B.5.B.1
-	Water Washing	LAC 33:III.501.B.5.B.1 & B.3

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ID No.:	Description	Citation
-	Welding Equipment	LAC 33:III.501.B.5.B.3
-	Employee Vehicles	LAC 33:III.501.B.5.B.4 & B.30
-	Fork lifts	LAC 33:III.501.B.5.B.4 & B.30
-	Gasoline-fired lawnmower	LAC 33:III.501.B.5.B.4 & B.30
-	Gasoline-fired trimmer	LAC 33:III.501.B.5.B.4 & B.30
-	Log handling equipment	LAC 33:III.501.B.5.B.4 & B.30
-	Log transport trucks	LAC 33:III.501.B.5.B.4 & B.30
-	Other rolling stock	LAC 33:III.501.B.5.B.4 & B.30
-	Product shipment vehicles	LAC 33:III.501.B.5.B.4 & B.30
-	Street Sweeper	LAC 33:III.501.B.5.B.1, B.4 & B.30
-	Building Air Conditioning	LAC 33:III.501.B.5.B.17
-	Building Heat	LAC 33:III.501.B.5.B.17
-	Clerical Activities and Copying	LAC 33:III.501.B.5.B.5
-	Comfort Vents on Building	LAC 33:III.501.B.5.B.17
-	Food Preparation Equipment	LAC 33:III.501.B.5.B.10
-	Housekeeping	LAC 33:III.501.B.5.B.1
-	Janitorial Activities	LAC 33:III.501.B.5.B.1
-	Paved Parking Lots	LAC 33:III.501.B.5.B.23
-	Pest Control	LAC 33:III.501.B.5.B.1
-	Sewer Vents on Bathroom Plumbing traps	LAC 33:III.501.B.5.B.15
-	Solid Waste Dumpsters	LAC 33:III.501.B.5.B.26
-	Vacuum Cleaning	LAC 33:III.501.B.5.B.1 & B.3
-	Weed control	LAC 33:III.501.B.5.B.1
-	Antifreeze Storage and Use	LAC 33:III.501.B.5.B.13
-	Diesel Storage (4,000 gallons)	LAC 33:III.501.B.5.A.3
-	Gear Oil Storage and Use	LAC 33:III.501.B.5.B.13 & B.16
-	Grease Storage and Use	LAC 33:III.501.B.5.B.13 & B.16
-	Hydraulic Oil Storage and Use	LAC 33:III.501.B.5.B.13
-	Lube Oil Storage and Use	LAC 33:III.501.B.5.B.13 & B.16
-	Motor Oil Storage and Use	LAC 33:III.501.B.5.B.13

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ID No.:	Description	Citation
-	Paint Can and Drum Storage	LAC 33:III.501.B.5.B.1, B.2, B.3, & B.12
-	Planer Mill Parts Washer	LAC 33:III.501.B.5.B.3
-	Transmission Fluid Storage and Use	LAC 33:III.501.B.5.B.13
-	Truck Shop Parts Washer	LAC 33:III.501.B.5.B.3
-	Used Antifreeze Storage	LAC 33:III.501.B.5.B.13
-	Used Hydraulic Oil Drums	LAC 33:III.501.B.5.A.2
-	Used Oil Drums	LAC 33:III.501.B.5.A.2
-	Water and Wastewater Treatment Chemicals	LAC 33:III.501.B.5.B.8
-	Bark Handling (No offsite fugitives)	LAC 33:III.501.B.5.B.35
-	Bark Hog	LAC 33:III.501.B.5.B.35
-	Bark Screening	LAC 33:III.501.B.5.B.35
-	Bark Storage Pile (No offsite fugitives)	LAC 33:III.501.B.5.B.35
-	Bark/Sawdust Truck Bin Loading (No offsite fugitives)	LAC 33:III.501.B.5.B.35
-	Bark/Sawdust Truck Bin Unloading (No offsite fugitives)	LAC 33:III.501.B.5.B.35
-	Bucking Saw	LAC 33:III.501.B.5.B.35
-	Byproduct Storage Piles (No offsite fugitives)	LAC 33:III.501.B.5.B.35
-	Chip Truck Bin Loading (No offsite fugitives)	LAC 33:III.501.B.5.B.35
-	Chip Truck Bin Unloading (No offsite fugitives)	LAC 33:III.501.B.5.B.35
-	Chippers (3)	LAC 33:III.501.B.5.B.35
-	Crook Saw	LAC 33:III.501.B.5.B.35
-	Debarker	LAC 33:III.501.B.5.B.35
-	Log Irrigation Ponds	LAC 33:III.501.B.5.B.35
-	Wet Log Storage	LAC 33:III.501.B.5.B.35
-	Log Wetting Activities and Areas	LAC 33:III.501.B.5.B.35
-	Planer Feed Table Building Roof Vent	LAC 33:III.501.B.5.B.17 & B.35
-	Sawdust Truck Bin Loading (No offsite fugitives)	LAC 33:III.501.B.5.B.35
-	Sawdust Truck Bin Unloading (No offsite fugitives)	LAC 33:III.501.B.5.B.35
-	Sawmill Chip Screening	LAC 33:III.501.B.5.B.35
-	Shavings Pulverizing	LAC 33:III.501.B.5.B.35
-	Shavings Surge Bin	LAC 33:III.501.B.5.B.35

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<u>ID No.:</u>	<u>Description</u>	<u>Citation</u>
-	Shavings Truck Bin Loading (No offsite fugitives)	LAC 33:III.501.B.5.B.35
-	Shavings Truck Bin Unloading (No offsite fugitives)	LAC 33:III.501.B.5.B.35

* These items currently qualify as insignificant activities. Any replacement of these items by new engines that are affected sources under either NSPS IIII or JJJJ will require a permit modification and a removal of the sources from the insignificant activities list.

LOUISIANA DEPARTMENT OF ENVIRONMENTAL QUALITY

TIN Inc., dba Temple-Inland - Southwest Louisiana Lumber Operations
 Agency Interest No.: 12483
TIN Inc., dba Temple-Inland
Ragley, Beauregard Parish, Louisiana

X. Table 1. Applicable Louisiana and Federal Air Quality Requirements

ID No.:	Description	LAC 33:III.Chapter										40 CFR 60 NSPS				40 CFR 63 NESHAP				40 CFR 64 40 CFR			
		2	5▲	9	11	13	15	21	51*	56	59*	A	III	K	Ka	Kb	A	DDDD	52	64	68		
UNF001	SWLA Lumber Operations	1	1	1	1	1	1	1	1	1	1										3		
EQT003	EP-IP - Lumber Planer, Cut-off Saws, and Reclaim Hog Baghouse			1		1															1		
EQT004	EP-2F - Ash Collection System Baghouse	1			1																1		
EQT005	EP-2P - Fuel Silos Cyclone				1																		
EQT006	EP-3K - Wood-Fired Dry Kiln No. 1			1	1	1	3	1											1	1	1		
EQT007	EP-4K - Wood-Fired Dry Kiln No. 2				1	1	1	3	1										1	1	1		
EQT008	EP-5K - Wood-Fired Dry Kiln No. 3				1	1	1	3	1										1	1	1		
EQT009	EP-6K - Wood-Fired Dry Kiln No. 4				1	1	1	3	1										1	1	1		
EQT010	FWP-1 - Caterpillar 3208 Fire Water Pump Engine	1		1	1	3							3										
EQT011	GASTANK - 1,000 gal Gasoline Storage Tank					1										3							
EQT012	EP-7K - Wood-Fired Dry Kiln No. 5	1		1	1	1	3	1									1	1	1	1			
FUG001	HANDFUG - Material Handling Fugitives								1														
FUG002	HAULROAD - Haul Roads								1														
GRP002	K-CAP - Kiln CAP								1										1				

* The regulations indicated above are State Only regulations.

▲ All LAC 33:III Chapter 5 citations are federally enforceable including LAC 33:III.501.C.6 citations, except when the requirement found in the "Specific Requirements" report specifically states that the regulation is State Only.

LOUISIANA DEPARTMENT OF ENVIRONMENTAL QUALITY

TIN Inc, dba Temple-Inland - Southwest Louisiana Lumber Operations
Agency Interest No.: 12483
TIN Inc., dba Temple-Inland
Ragley, Beauregard Parish, Louisiana

KEY TO MATRIX

- 1 -The regulations have applicable requirements that apply to this particular emission source.
- The emission source may have an exemption from control stated in the regulation. The emission source may not have to be controlled but may have monitoring, recordkeeping, or reporting requirements.
- 2 -The regulations have applicable requirements that apply to this particular emission source but the source is currently exempt from these requirements due to meeting a specific criterion, such as it has not been constructed, modified or reconstructed since the regulations have been in place. If the specific criteria changes the source will have to comply at a future date.
- 3 -The regulations apply to this general type of emission source (i.e. vents, furnaces, towers, and fugitives) but do not apply to this particular emission source.

Blank – The regulations clearly do not apply to this type of emission source.

LOUISIANA DEPARTMENT OF ENVIRONMENTAL QUALITY

TIN Inc, dba Temple-Inland - Southwest Louisiana Lumber Operations
 Agency Interest No.: 12483
TIN Inc., dba Temple-Inland
Ragley, Beauregard Parish, Louisiana

XI. Table 2. Explanation for Exemption Status or Non-Applicability of a Source

ID No:	Requirement	Notes
GRP001	Chemical Accident Provisions [LAC 33:III.5907]	DOES NOT APPLY. The SWLA facility does not process, handle, or store any substance listed in 40 CFR 68.130 or Table 59.0 and Table 59.1 of Chapter 59 in an amount greater than the threshold quantity as determined in the manner described in 40 CFR 68.115.
	Chemical Accident Provisions [40 CFR 68.10(a)]	DOES NOT APPLY. The SWLA facility does not process, handle, or store any substance listed in 40 CFR 68.130 in an amount greater than the threshold quantity as determined in the manner described in 40 CFR 68.115.
EQT006, EQT007, EQT008, EQT009, EQT012	Waste Gas Disposal [LAC 33:III.2115.M]	DOES NOT APPLY. The emissions from the wood-fired kilns do not meet the definition of waste gas according to LAC 33:III.2115.M because the kilns do not have stacks in which all the process gases are emitted but instead emit also through cracks and openings in the walls of the kilns.
EQT010	Emission Standards for Sulfur Dioxide [LAC 33:III.1502.A.3] NSPS Subpart III - Standards of Performance for Stationary Compression Ignition Internal Combustion Engines [40 CFR 60.4200(a)(2)(ii)]	DOES NOT APPLY. The diesel engine emits less than five tons per year of SO ₂ . DOES NOT APPLY. The fire pump engine was ordered prior to the applicability date.
EQT011	NSPS Subpart Kb - Standards of Performance for Volatile Organic Liquid Storage Vessels (including Petroleum Liquid Storage Vessels) for Which Construction, Reconstruction, or Modification Commenced After July 23, 1984 [40 CFR 60.110b(a)]	DOES NOT APPLY. The capacity of the storage tank is less than 75 cubic meters.

The above table provides explanation for both the exemption status or non-applicability of a source cited by 1, 2 or 3 in the matrix presented in Section X (Table 1) of this permit.

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- A. The term of this permit shall be five (5) years from date of issuance. An application for a renewal of this 40 CFR Part 70 permit shall be submitted to the administrative authority no later than six months prior to the permit expiration date. Should a complete permit application not be submitted six months prior to the permit expiration date, a facility's right to operate is terminated pursuant to 40 CFR Section 70.7(c)(ii). Operation may continue under the conditions of this permit during the period of the review of the application for renewal. [LAC 33:III.507.E.1, E.3, E.4, reference 40 CFR 70.6(a)(2)]
- B. The conditions of this permit are severable; and if any provision of this permit or the application of any provision of this permit to any circumstance is held invalid, the application of such provision to other circumstances, and the remainder of this permit, shall not be affected thereby. [Reference 40 CFR 70.6(a)(5)]
- C. Permittee shall comply with all conditions of the 40 CFR Part 70 permit. Any permit noncompliance constitutes a violation of the Clean Air Act and is grounds for enforcement action; for permit termination, revocation and reissuance, or modification; or for denial of a permit renewal application. This permit may be modified, revoked, reopened and reissued, or terminated for cause. The filing of a request by the permittee for a permit modification, revocation and reissuance, or termination, or of a notification of planned changes or anticipated noncompliance does not stay any permit condition. [LAC 33:III.507.B.2, reference 40 CFR 70.6(a)(6)(i) & (iii)]
- D. It shall not be a defense for a permittee in an enforcement action that it would have been necessary to halt or reduce the permitted activity in order to maintain compliance with the conditions of this permit. [Reference 40 CFR 70.6(a)(6)(ii)]
- E. This permit does not convey any property rights of any sort, or an exclusive privilege. [Reference 40 CFR 70.6(a)(6)(iv)]
- F. The permittee shall furnish to the permitting authority, within a reasonable time, any information that the permitting authority may request in writing to determine whether cause exists for modifying, revoking, and reissuing, or terminating the permit or to determine compliance with the permit. Upon request, the permittee shall also furnish to the permitting authority copies of records required to be kept by the permit or, for information claimed to be confidential, the permittee may furnish such records directly to the Administrator along with a claim of confidentiality. A claim of confidentiality does not relieve the permittee of the requirement to provide the information. [LAC 33:III.507.B.2, 517.F, reference 40 CFR 70.6(a)(6)(v)]
- G. Permittee shall pay fees in accordance with LAC 33:III.Chapter 2 and 40 CFR Section 70.6(a)(7). [LAC 33:III.501.C.2, reference 40 CFR 70.6(a)(7)]
- H. Upon presentation of credentials and other documents as may be required by law, the permittee shall allow the permitting authority or authorized representative to perform the following:
 1. enter upon the permittee's premises where a 40 CFR Part 70 source is located or emission-related activity is conducted, or where records must be kept under the conditions of the permit [LAC 33:III.507.H.2, reference 40 CFR 70.6(c)(2)(i)];
 2. have access to and copy, at reasonable times, any records that must be kept under the conditions of the permit [LAC 33:III.507.H.2, reference 40 CFR 70.6(c)(2)(ii)];

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3. inspect at reasonable times any facilities, equipment (including monitoring and air pollution control equipment), practices, or operations regulated or required under the permit [LAC 33:III.507.H.2, reference 40 CFR 70.6(c)(2)(iii)]; and
 4. as authorized by the Clean Air Act, sample or monitor at reasonable times substances or parameters for the purpose of assuring compliance with the permit or applicable requirements. [LAC 33:III.507.H.2, reference 40 CFR 70.6(c)(2)(iv)]
- I. All required monitoring data and supporting information shall be kept available for inspection at the facility or alternate location approved by the agency for a period of at least five (5) years from the date of the monitoring sample, measurement, report, or application. Supporting information includes calibration and maintenance records and all original strip-chart recordings for continuous monitoring instrumentation, and all reports required by the permit.
[Reference 40 CFR 70.6(a)(3)(ii)(B)]
- J. Records of required monitoring shall include the following:
1. the date, place as defined in the permit, and time of sampling or measurements;
 2. the date(s) analyses were performed;
 3. the company or entity that performed the analyses;
 4. the analytical techniques or methods used;
 5. the results of such analyses; and
 6. the operating conditions as existing at the time of sampling or measurement.
- [Reference 40 CFR 70.6(a)(3)(ii)(A)]
- K. Permittee shall submit at least semiannually, reports of any required monitoring, clearly identifying all instances of deviations from permitted monitoring requirements, certified by a responsible company official. For previously reported deviations, in lieu of attaching the individual deviation reports, the semiannual report may clearly reference the communication(s)/correspondence(s) constituting the prior report, including the date the prior report was submitted. The semiannual reports shall be submitted to the Office of Environmental Compliance, Enforcement Division by March 31 for the preceding period encompassing July through December and September 30 for the preceding period encompassing January through June. Any quarterly deviation report required to be submitted by March 31 or September 30 in accordance with Part 70 General Condition R may be consolidated with the semi-annual reports required by this general condition as long as the report clearly indicates this and all required information is included and clearly delineated in the consolidated report. [LAC 33:III.507.H, reference 40 CFR 70.6(a)(3)(iii)(A)]
- L. The permittee shall submit at least semiannual reports on the status of compliance pursuant to 40 CFR Section 70.5 (c) (8) and a progress report on any applicable schedule of compliance pursuant to 40 CFR Section 70.6 (c) (4). [LAC 33:III.507.H.1, reference 40 CFR 70.6(c)(4)]
- M. Compliance certifications per LAC 33:III.507.H.5 shall be submitted to the Administrator as well as the permitting authority. For previously reported compliance deviations, in lieu of attaching the individual deviation reports, the annual report may clearly reference the communication(s)/correspondence(s) constituting the prior report, including the date the prior report was submitted. The compliance certifications shall be submitted to the Office of Environmental Compliance, Enforcement Division by March 31 for the preceding calendar year. [LAC 33:III.507.H.5, reference 40 CFR 70.6(c)(5)(iv)]
- N. If the permittee seeks to reserve a claim of an affirmative defense as provided in LAC 33:III.507.J.2, the permittee shall, in addition to any emergency or upset provisions in any

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applicable regulation, notify the permitting authority within 2 working days of the time when emission limitations were exceeded due to the occurrence of an upset. In the event of an upset, as defined under LAC 33:III.507.J, which results in excess emissions, the permittee shall demonstrate through properly signed, contemporaneous operating logs, or other relevant evidence that: 1) an emergency occurred and the cause was identified; 2) the permitted facility was being operated properly at the time; and 3) during the emergency the permittee took all reasonable steps to minimize levels of emissions that exceeded the emission standard or requirement of the permit. [LAC 33:III.507.J.2, reference 40 CFR 70.6(g)(3)(iv) & (i-iii)]

- O. Permittee shall maintain emissions at a level less than or equal to that provided for under the allowances that the 40 CFR Part 70 source lawfully holds under Title IV of the Clean Air Act or the regulations promulgated thereunder. No permit revision shall be required for increases in emissions that are authorized by allowances acquired pursuant to the acid rain program, provided that such increases do not require a permit revision under any other applicable requirement. No limit shall be placed on the number of allowances held by the source. The source may not, however, use allowances as a defense to noncompliance with any other applicable requirement. Any such allowance shall be accounted for according to the procedures established in regulations promulgated under Title IV of the Clean Air Act. [Reference 40 CFR 70.6(a)(4)]
- P. Any permit issued pursuant to 40 CFR Part 70 may be subject to reopening prior to the expiration of the permit for any of the conditions specified in 40 CFR Section 70.7(f) or LAC 33:III.529. [LAC 33:III.529.A-B, reference 40 CFR 70.7(f)]
- Q. Permittee may request an administrative amendment to the permit to incorporate test results from compliance testing if the following criteria are met:
 - 1. the changes are a result of tests performed upon start-up of newly constructed, installed, or modified equipment or operations;
 - 2. increases in permitted emissions will not exceed five tons per year for any regulated pollutant;
 - 3. increases in permitted emissions of Louisiana toxic air pollutants or of federal hazardous air pollutants would not constitute a modification under LAC 33:III. Chapter 51 or under Section 112 (g) of the Clean Air Act;
 - 4. changes in emissions would not require new source review for prevention of significant deterioration or nonattainment and would not trigger the applicability of any federally applicable requirement;
 - 5. changes in emissions would not qualify as a significant modification; and
 - 6. the request is submitted no later than 12 months after commencing operation. [LAC 33:III.523.A, reference 40 CFR 70.7(d)]
- R. Permittee shall submit prompt reports of all permit deviations as specified below to the Office of Environmental Compliance, Enforcement Division. All such reports shall be certified by a responsible official in accordance with 40 CFR 70.5(d).
 - 1. A written report shall be submitted within 7 days of any emission in excess of permit requirements by an amount greater than the Reportable Quantity established for that pollutant in LAC 33.I.Chapter 39.

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2. A written report shall be submitted within 7 days of the initial occurrence of any emission in excess of permit requirements, regardless of the amount, where such emission occurs over a period of seven days or longer.
 3. A written report shall be submitted quarterly to address all permit deviations not included in paragraphs 1 or 2 above. Unless required by an applicable reporting requirement, a written report is not required during periods in which there is no deviation. The quarterly deviation reports submitted on March 31 and September 30 may be consolidated with the semi-annual reports required by Part 70 General Condition K as long as the report clearly indicates this and all required information is included and clearly delineated in the consolidated report. For previously reported permit deviations, in lieu of attaching the individual deviation reports, the quarterly report may clearly reference the communication(s)/correspondence(s) constituting the prior report, including the date the prior report was submitted. The schedule for submittal of quarterly reports shall be no later than the dates specified below for any permit deviations occurring during the corresponding specified calendar quarter:
 - a. Report by June 30 to cover January through March
 - b. Report by September 30 to cover April through June
 - c. Report by December 31 to cover July through September
 - d. Report by March 31 to cover October through December
 4. Any written report submitted in advance of the timeframes specified above, in accordance with an applicable regulation, may serve to meet the reporting requirements of this condition provided such reports are certified in accordance with 40 CFR 70.5(d) and contain all information relevant to the permit deviation. Reporting under this condition does not relieve the permittee from the reporting requirements of any applicable regulation, including LAC 33.I.Chapter 39, LAC 33.III.Chapter 9, and LAC 33.III.5107. [Reference 40 CFR 70.6(a)(3)(iii)(B)]
- S. Permittee shall continue to comply with applicable requirements on a timely basis, and will meet on a timely basis applicable requirements that become effective during the permit term. [Reference 40 CFR 70.5(c)(8)(iii)]
- T. The permittee shall comply with the standards for recycling and emissions reduction pursuant to 40 CFR Part 82, Subpart F, except as provided for Motor Vehicle Air Conditioners (MVACs) in Subpart B:
1. Persons opening appliances for maintenance, service, repair, or disposal must comply with the required practices pursuant to 40 CFR 82.156;
 2. Equipment used during the maintenance, service, repair, or disposal of appliances must comply with the standards for recycling and recovery equipment pursuant to 40 CFR 82.158;
 3. Persons performing maintenance, service, repair, or disposal of appliances must be certified by an approved technician certification program pursuant to 40 CFR 82.161;
 4. Persons disposing of small appliances, MVACs, and MVAC-like appliances must comply with recordkeeping requirements pursuant to 40 CFR 82.166. ("MVAC-like appliance" as defined at 40 CFR 82.152);

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5. Persons owning commercial or industrial process refrigeration equipment must comply with the leak repair requirements pursuant to 40 CFR 82.156; and
 6. Owners/operators of appliances normally containing 50 or more pounds of refrigerant must keep records of refrigerant purchased and added to such appliances pursuant to 40 CFR 82.166. [Reference 40 CFR 82, Subpart F]
- U. If the permittee performs a service on motor (fleet) vehicles when this service involves ozone-depleting substance refrigerant (or regulated substitute substance) in the motor vehicle air conditioner (MVAC), the permittee is subject to all the applicable requirements as specified in 40 CFR Part 82, Subpart B, Servicing of Motor Vehicle Air Conditioners.

The term "motor vehicle" as used in Subpart B does not include a vehicle in which final assembly of the vehicle has not been completed. The term "MVAC" as used in Subpart B does not include the air-tight sealed refrigeration system used as refrigerated cargo, or system used on passenger buses using HCFC-22 refrigerant. [Reference 40 CFR 82, Subpart B]

- V. Data availability for continuous monitoring or monitoring to collect data at specific intervals: Except for monitoring malfunctions, associated repairs, and required quality assurance or control activities (including calibration checks and required zero and span adjustments), the permittee shall conduct all monitoring in continuous operation (or shall collect data at all required intervals) at all times that the emissions unit is operating. For purposes of reporting monitoring deviations under Part 70 General Conditions K and R, and unless otherwise provided for in the Specific Requirements (or Table 3) of this permit, the minimum degree of data availability shall be at least 90% (based on a monthly average) of the operating time of the emissions unit or activity being monitored. This condition does not apply to Leak Detection and Repair (LDAR) programs for fugitive emissions (e.g., 40 CFR 60 Subpart VV, 40 CFR 63 Subpart H).

LOUISIANA AIR EMISSION PERMIT GENERAL CONDITIONS

- I. This permit is issued on the basis of the emissions reported in the application for approval of emissions and in no way guarantees that the design scheme presented will be capable of controlling the emissions to the type and quantities stated. Failure to install, properly operate and/or maintain all proposed control measures and/or equipment as specified in the application and supplemental information shall be considered a violation of the permit and LAC 33:III.501. If the emissions are determined to be greater than those allowed by the permit (e.g. during the shakedown period for new or modified equipment) or if proposed control measures and/or equipment are not installed or do not perform according to design efficiency, an application to modify the permit must be submitted. All terms and conditions of this permit shall remain in effect unless and until revised by the permitting authority.
- II. The permittee is subject to all applicable provisions of the Louisiana Air Quality Regulations. Violation of the terms and conditions of the permit constitutes a violation of these regulations.
- III. The Emission Rates for Criteria Pollutants, Emission Rates for TAP/HAP & Other Pollutants, and Specific Requirements sections or, where included, Emission Inventory Questionnaire sheets establish the emission limitations and are a part of the permit. Any operating limitations are noted in the Specific Requirements or, where included, Tables 2 and 3 of the permit. The synopsis is based on the application and Emission Inventory Questionnaire dated December 30, 2004, along with supplemental information dated December 6, 2006, July 20 and October 26, 2007, and June 27, 2008.
- IV. This permit shall become invalid, for the sources not constructed, if:
 - A. Construction is not commenced, or binding agreements or contractual obligations to undertake a program of construction of the project are not entered into, within two (2) years (18 months for PSD permits) after issuance of this permit, or;
 - B. If construction is discontinued for a period of two (2) years (18 months for PSD permits) or more.The administrative authority may extend this time period upon a satisfactory showing that an extension is justified.

This provision does not apply to the time period between construction of the approved phases of a phased construction project. However, each phase must commence construction within two (2) years (18 months for PSD permits) of its projected and approved commencement date.
- V. The permittee shall submit semiannual reports of progress outlining the status of construction, noting any design changes, modifications or alterations in the construction schedule which have or may have an effect on the emission rates or ambient air quality levels. These reports shall continue to be submitted until such time as construction is certified as being complete. Furthermore, for any significant change in the design, prior approval shall be obtained from the Office of Environmental Services, Air Permits Division.
- VI. The permittee shall notify the Department of Environmental Quality, Office of Environmental Services, Air Permits Division within ten (10) calendar days from the date that construction is certified as complete and the estimated date of start-up of operation. The appropriate Regional Office shall also be so notified within the same time frame.
- VII. Any emissions testing performed for purposes of demonstrating compliance with the limitations set forth in paragraph III shall be conducted in accordance with the methods described in the Specific Conditions and, where included, Tables 1, 2, 3, 4, and 5 of this permit. Any deviation from or

**LOUISIANA AIR EMISSION PERMIT
GENERAL CONDITIONS**

modification of the methods used for testing shall have prior approval from the Office of Environmental Assessment, Air Quality Assessment Division.

- VIII. The emission testing described in paragraph VII above, or established in the specific conditions of this permit, shall be conducted within sixty (60) days after achieving normal production rate or after the end of the shakedown period, but in no event later than 180 days after initial start-up (or restart-up after modification). The Office of Environmental Assessment, Air Quality Assessment Division shall be notified at least (30) days prior to testing and shall be given the opportunity to conduct a pretest meeting and observe the emission testing. The test results shall be submitted to the Air Quality Assessment Division within sixty (60) days after the complete testing. As required by LAC 33:III.913, the permittee shall provide necessary sampling ports in stacks or ducts and such other safe and proper sampling and testing facilities for proper determination of the emission limits.
- IX. The permittee shall, within 180 days after start-up and shakedown of each project or unit, report to the Office of Environmental Compliance, Enforcement Division any significant difference in operating emission rates as compared to those limitations specified in paragraph III. This report shall also include, but not be limited to, malfunctions and upsets. A permit modification shall be submitted, if necessary, as required in Condition I.
- X. The permittee shall retain records of all information resulting from monitoring activities and information indicating operating parameters as specified in the specific conditions of this permit for a minimum of at least five (5) years.
- XI. If for any reason the permittee does not comply with, or will not be able to comply with, the emission limitations specified in this permit, the permittee shall provide the Office of Environmental Compliance, Enforcement Division with a written report as specified below.
 - A. A written report shall be submitted within 7 days of any emission in excess of permit requirements by an amount greater than the Reportable Quantity established for that pollutant in LAC 33.I.Chapter 39.
 - B. A written report shall be submitted within 7 days of the initial occurrence of any emission in excess of permit requirements, regardless of the amount, where such emission occurs over a period of seven days or longer.
 - C. A written report shall be submitted quarterly to address all emission limitation exceedances not included in paragraphs A or B above. The schedule for submittal of quarterly reports shall be no later than the dates specified below for any emission limitation exceedances occurring during the corresponding specified calendar quarter:
 - 1. Report by June 30 to cover January through March
 - 2. Report by September 30 to cover April through June
 - 3. Report by December 31 to cover July through September
 - 4. Report by March 31 to cover October through December
 - D. Each report submitted in accordance with this condition shall contain the following information:
 - 1. Description of noncomplying emission(s);
 - 2. Cause of noncompliance;
 - 3. Anticipated time the noncompliance is expected to continue, or if corrected, the duration of the period of noncompliance;

LOUISIANA AIR EMISSION PERMIT GENERAL CONDITIONS

4. Steps taken by the permittee to reduce and eliminate the noncomplying emissions; and
 5. Steps taken by the permittee to prevent recurrences of the noncomplying emissions.
- E. Any written report submitted in advance of the timeframes specified above, in accordance with an applicable regulation, may serve to meet the reporting requirements of this condition provided all information specified above is included. For Part 70 sources, reports submitted in accordance with Part 70 General Condition R shall serve to meet the requirements of this condition provided all specified information is included. Reporting under this condition does not relieve the permittee from the reporting requirements of any applicable regulation, including LAC 33.I.Chapter 39, LAC 33.III.Chapter 9, and LAC 33.III.5107.
- XII. Permittee shall allow the authorized officers and employees of the Department of Environmental Quality, at all reasonable times and upon presentation of identification, to:
- A. Enter upon the permittee's premises where regulated facilities are located, regulated activities are conducted or where records required under this permit are kept;
 - B. Have access to and copy any records that are required to be kept under the terms and conditions of this permit, the Louisiana Air Quality Regulations, or the Act;
 - C. Inspect any facilities, equipment (including monitoring methods and an operation and maintenance inspection), or operations regulated under this permit; and
 - D. Sample or monitor, for the purpose of assuring compliance with this permit or as otherwise authorized by the Act or regulations adopted thereunder, any substances or parameters at any location.
- XIII. If samples are taken under Section XII.D. above, the officer or employee obtaining such samples shall give the owner, operator or agent in charge a receipt describing the sample obtained. If requested prior to leaving the premises, a portion of each sample equal in volume or weight to the portion retained shall be given to the owner, operator or agent in charge. If an analysis is made of such samples, a copy of the analysis shall be furnished promptly to the owner, operator or agency in charge.
- XIV. The permittee shall allow authorized officers and employees of the Department of Environmental Quality, upon presentation of identification, to enter upon the permittee's premises to investigate potential or alleged violations of the Act or the rules and regulations adopted thereunder. In such investigations, the permittee shall be notified at the time entrance is requested of the nature of the suspected violation. Inspections under this subsection shall be limited to the aspects of alleged violations. However, this shall not in any way preclude prosecution of all violations found.
- XV. The permittee shall comply with the reporting requirements specified under LAC 33:III.919 as well as notification requirements specified under LAC 33:III.927.
- XVI. In the event of any change in ownership of the source described in this permit, the permittee and the succeeding owner shall notify the Office of Environmental Services in accordance with LAC 33:I.Chapter 19.Facility Name and Ownership/Operator Changes Process.
- XVII. Very small emissions to the air resulting from routine operations, that are predictable, expected, periodic, and quantifiable and that are submitted by the permitted facility and approved by the Air Permits Division are considered authorized discharges. Approved activities are noted in the General Condition XVII Activities List of this permit. To be approved as an authorized discharge, these very small releases must:

LOUISIANA AIR EMISSION PERMIT GENERAL CONDITIONS

1. Generally be less than 5 TPY
2. Be less than the minimum emission rate (MER)
3. Be scheduled daily, weekly, monthly, etc., or
4. Be necessary prior to plant startup or after shutdown [line or compressor pressuring/depressuring for example]

These releases are not included in the permit totals because they are small and will have an insignificant impact on air quality. This general condition does not authorize the maintenance of a nuisance, or a danger to public health and safety. The permitted facility must comply with all applicable requirements, including release reporting under LAC 33:1.3901.

- XVIII. Provisions of the permit may be appealed to the secretary in writing pursuant to La. R.S. 30:2024(A) within 30 days from notice of the permit action. A request may be made to the secretary to suspend those provisions of the permit specifically appealed. The permit remains in effect to the extent that the secretary or assistant secretary does not elect to suspend the appealed provisions as requested or, at his discretion, other permit provisions as well. Construction cannot proceed, except as specifically approved by the secretary or assistant secretary, until a final decision has been rendered on the appeal. A request for hearing must be sent to the Office of the Secretary. A request for hearing must be sent to the following:

Attention: Office of the Secretary, Legal Services Division
La. Dept. of Environmental Quality
Post Office Box 4302
Baton Rouge, Louisiana 70821-4302

- XIX. For Part 70 sources, certain Part 70 general conditions may duplicate or conflict with state general conditions. To the extent that any Part 70 conditions conflict with state general conditions, then the Part 70 general conditions control. To the extent that any Part 70 general conditions duplicate any state general conditions, then such state and Part 70 provisions will be enforced as if there is only one condition rather than two conditions.

General Information

AI ID: 12483 TIN Inc dba Temple-Inland - SW Louisiana Lumber Operations
Activity Number: PER20040001
Permit Number: 0320-00018-V2
Alt - Title V Regular Permit Renewal

Also Known As:		Name	User Group	Start Date
ID		TIN Inc dba Temple-Inland - SW Louisiana Lumber Operations	CDS Number	08-05-2002
0320-000018		Temple Inland Forest Products Corp	Hazardous Waste Notification	10-28-1999
LAD985185529		LPDES #	LPDES Permit #	05-22-2003
LA0073740		LWDPS #	LWDPS Permit #	06-25-2003
WP2189		Temple Inland Forest Products Corp SW LA Lumber Operations	TEMPO Merge	12-05-2001
11438		TRI #	Toxic Release Inventory	07-08-2004
70633TMLSHWY12		UST Facility ID (from UST legacy data)	UST FID #	10-11-2002
06009304				
			Main FAX:	3377861342
			Main Phone:	3377861300
Physical Location:		Coordinate Method: Interpolation - Map, Coordinate Datum: NAD27		
Mailing Address:		303 S Temple Dr Diboll, TX 75941		
Location of Front Gate:		30° 28' 10" 88 hundredths latitude, 93° 19' 30" 61 hundredths longitude, 93° 19' 30" 61 hundredths longitude		
Related People:		Mailing Address	Phone (Type)	Relationship
Name		PO Drawer N Diboll, TX 75941	9368291623 (WP)	Responsible Official for
David Kellam		PO Drawer N Diboll, TX 75941	davidkellam@temple	Responsible Official for
Patrick Miller		PO Drawer N Diboll, TX 75941	PATMILLER@TEMF	Water Permit Contact For
Patrick Miller		PO Drawer N Diboll, TX 75941	9368291427 (WP)	Water Permit Contact For
Patrick Miller		PO Drawer N Diboll, TX 75941	PATMILLER@TEMF	Emission Inventory Contact for
Patrick Miller		PO Drawer N Diboll, TX 75941	PATMILLER@TEMF	Underground Storage Tank Contact for
Patrick Miller		PO Drawer N Diboll, TX 75941	9368291427 (WP)	Underground Storage Tank Contact for
Patrick Miller		PO Drawer N Diboll, TX 75941	9368291427 (WP)	Emission Inventory Contact for
Patrick Miller		PO Drawer N Diboll, TX 75941	PATMILLER@TEMF	Air Permit Contact For
Patrick Miller		PO Drawer N Diboll, TX 75941	9368291427 (WP)	Air Permit Contact For
E. E. Patrick		PO Drawer N Diboll, TX 75941	9368291397 (WP)	Water Billing Party for
Linda Syler			4098291441 (WP)	Hazardous Waste Permit Contact For
Related Organizations:		Address	Phone (Type)	Relationship
Name		303 S Temple Dr Diboll, TX 75941	9368291427 (WP)	Operates
TIN Inc dba Temple-Inland		303 S Temple Dr Diboll, TX 75941	9368291427 (WP)	Owns
TIN Inc dba Temple-Inland		303 S Temple Dr Diboll, TX 75941	9368291427 (WP)	Emission Inventory Billing Party
TIN Inc dba Temple-Inland		303 S Temple Dr Diboll, TX 75941	9368291427 (WP)	Air Billing Party for
Temple-Eastex Inc		303 S Temple Dr Diboll, TX 75941	9368295511 (WP)	UST Billing Party for
Temple-Inland Forest Products Corp		PO Drawer N Diboll, TX 75941	9368295511 (WP)	Formerly owned
Temple-Inland Forest Products Corp		PO Drawer N Diboll, TX 75941	9368295511 (WP)	Formerly operated

General Information

AI ID: 12483 TIN Inc dba Temple-Inland - SW Louisiana Lumber Operations
Activity Number: PER20040001
Permit Number: 0320-00018-V2
Air - Title V Regular Permit Renewal

Note: This report entitled "General Information" contains a summary of facility-level information contained in LDEQ's TEMPO database for this facility and is not considered a part of the permit.
Please review the information contained in this document for accuracy and completeness. If any changes are required or if you have questions regarding this document, you may contact Mr. David Ferrand, Environmental Assistance Division, at (225) 219-3247 or email your changes to facupdate@la.gov.

INVENTORIES

All ID: 12483 - TIN Inc dba Temple-Inland - Southwest Louisiana Lumber Operations
 Activity Number: PER20040001
 Permit Number: 0320-00018-V2
 Air - Title V Regular Permit Renewal

Subject Item Inventory:

ID	Description	Tank Volume	Max. Operating Rate	Normal Operating Rate	Contents	Operating Time
SWLA Lumber Operations						
EQT0003	EP-1P - Lumber Planer, Cut-off Saws, and Reclaim Hog Baghouse			60000 ft ³ /min		8760 hr/yr (All Year)
EQT0004	EP-2F - Ash Collection System Baghouse			24000 ft ³ /min		8760 hr/yr (All Year)
EQT0005	EP-2P - Fuel Silos Cyclone			20000 ft ³ /min		8760 hr/yr (All Year)
EQT0006	EP-3K - Wood-fired Dry Kiln No. 1			50900 M bd ft/yr		8760 hr/yr (All Year)
EQT0007	EP-4K - Wood-Fired Dry Kiln No. 2			50900 M bd ft/yr		8760 hr/yr (All Year)
EQT0008	EP-5K - Wood-Fired Dry Kiln No. 3			50900 M bd ft/yr		8760 hr/yr (All Year)
EQT0009	EP-6K - Wood-Fired Dry Kiln No. 4			50900 M bd ft/yr		8760 hr/yr (All Year)
EQT0010	FWP-1 - Caterpillar 3208 Fire Water Pump Engine			235 horsepower		50 hr/yr (All Year)
EQT0011	GASTANK - 1,000 Gal Gasoline Storage Tank	1000 gallons		15000 gallons/yr		8760 hr/yr (All Year)
EQT0012	EP-7K - Wood-fired Dry Kiln No. 5			50900 M bd ft/yr		8760 hr/yr (All Year)
FUG0001	HANDEJUG - Material Handling Fugitives					8760 hr/yr (All Year)
FUG0002	HAULROAD - Haul Roads					8760 hr/yr (All Year)

Stack Information:

ID	Description	Velocity (ft/sec)	Flow Rate (cubic ft/min-actual)	Diameter (feet)	Discharge Area (square feet)	Height (feet)	Temperature (°F)
SWLA Lumber Operations							
EQT0003	EP-1P - Lumber Planer, Cut-off Saws, and Reclaim Hog Baghouse	62.98	60000	16		37	
EQT0004	EP-2F - Ash Collection System Baghouse	29.3	24000	13.7		24.7	
EQT0005	EP-2P - Fuel Silos Cyclone	49.98	20000	6.67		90.8	
EQT0006	EP-3K - Wood-fired Dry Kiln No. 1	23.11		5.12		26.74	130
EQT0007	EP-4K - Wood-Fired Dry Kiln No. 2	23.11		5.12		26.74	130
EQT0008	EP-5K - Wood-Fired Dry Kiln No. 3	23.11		5.12		26.74	130
EQT0009	EP-6K - Wood-Fired Dry Kiln No. 4	23.11		5.12		26.74	130
EQT0010	FWP-1 - Caterpillar 3208 Fire Water Pump Engine			2		8	500
EQT0011	GASTANK - 1,000 Gal Gasoline Storage Tank			.02		12.5	
EQT0012	EP-7K - Wood-fired Dry Kiln No. 5	23.11		5.12		26.74	130

Relationships:

Subject Item Groups:

ID	Group Type	Group Description
GRP0002	Equipment Group	K-CAP - Kiln CAP
UNF0001	Unit or Facility Wide	SWLA - SWLA Lumber Operations

Group Membership:

INVENTORIES

AI ID: 12483 - TIN Inc dba Temple-Inland - Southwest Louisiana Lumber Operations
 Activity Number: PER20040001
 Permit Number: 0320-00018-V2
 Air - Title V Regular Permit Renewal

Group Membership:

ID	Description	Member of Groups
EQT0006	EP-3K - Wood-fired Dry Kiln No. 1	GRP00000000002
EQT0007	EP-4K - Wood-Fired Dry Kiln No. 2	GRP00000000002
EQT0008	EP-5K - Wood-Fired Dry Kiln No. 3	GRP00000000002
EQT0009	EP-6K - Wood-Fired Dry Kiln No. 4	GRP00000000002
EQT0012	EP-7K - Wood-fired Dry Kiln No. 5	GRP00000000002

NOTE: The UNF group relationship is not printed in this table. Every subject item is a member of the UNF group

Annual Maintenance Fee:

Fee Number	Air Contaminant Source	Multiplier	Units Of Measure
0220	Sawmill and/or Planing More than 25,00 Bd Ft/Shift		

SIC Codes:

2421	Sawmills and planing mills, general	AI12483
2421	Sawmills and planing mills, general	UNFO01

EMISSION RATES FOR CRITERIA POLLUTANTS

AI ID: 12483 - TIN Inc. dba Temple-Inland - Southwest Louisiana Lumber Operations
 Activity Number: PER20040001
 Permit Number: 0320-00018-V2
 Air - Title V Regular Permit Renewal

Subject Item	CO	Avg lb/hr	Max lb/hr	Tons/Year	NOx	Avg lb/hr	Max lb/hr	Tons/Year	PM10	Avg lb/hr	Max lb/hr	Tons/Year	SO2	Avg lb/hr	Max lb/hr	Tons/Year	VOC
SWLA Lumber Operations																	
EQT 0003 EP-1P									0.26	0.45	1.15						
EQT 0004 EP-2F									0.52	0.89	2.29						
EQT 0005 EP-2P									6.22	10.60	27.26						
EQT 0006 EP-3K	15.73				3.18				1.38			0.69					28.27
EQT 0007 EP-4K	15.73				3.18				1.38			0.69					28.27
EQT 0008 EP-5K	15.73				3.18				1.38			0.69					28.27
EQT 0009 EP-5K	15.73				3.18				1.38			0.69					28.27
EQT 0010 FWP-1	1.57	0.04	7.20	7.29	0.18	0.40	0.52	0.02	0.40	0.48	0.01	0.40	0.58	0.02	0.08	0.34	
EQT 0011 GASTANK																	28.27
EQT 0012 EP-7K	15.73				3.18				1.38			0.69					
FUG 0001 HANDFUG									3.27	3.92	14.32						
FUG 0002 HAULROAD									0.30	0.30	1.32						
GRP 0002 K-CAP	46.25		202.39	9.44		40.17	4.78		20.90	2.04		8.86	83.11				364.01

Note: Emission rates in bold are from alternate scenarios and are not included in permitted totals unless otherwise noted in a footnote.

EMISSION RATES FOR TAP/HAP & OTHER POLLUTANTS

AI ID: 12483 - TIN Inc dba Temple-Inland - Southwest Louisiana Lumber Operations

Activity Number: PER20040001

Permit Number: 0320-00018-V2

Air - Title V Regular Permit Renewal

Emission Pt.	Pollutant	Avg lb/hr	Max lb/hr	Tons/Year
EQT 0006 EP-3K	1,1,1-Trichloroethane		< 0.01	
	Acetaldehyde		0.28	
	Acrolein		0.061	
	Barium (and compounds)		0.132	
	Benzene		0.01	
	Chromium VI (and compounds)		0.001	
	Cobalt compounds		0.01	
	Copper (and compounds)		0.001	
	Dibutyl phthalate		< 0.01	
	Dichloromethane		0.01	
	Formaldehyde		0.39	
	Hydrochloric acid		0.01	
	Manganese (and compounds)		0.05	
	Methanol		1.58	
	Naphthalene		< 0.01	
	Phosphorus		< 0.01	
	Propionaldehyde		0.01	
	Tetrachloroethylene		< 0.01	
	Zinc (and compounds)		0.01	
	n-Hexane		0.01	
EQT 0007 EP-4K	1,1,1-Trichloroethane		< 0.01	
	Acetaldehyde		0.28	
	Acrolein		0.061	
	Barium (and compounds)		0.132	
	Benzene		0.01	
	Chromium VI (and compounds)		0.001	
	Cobalt compounds		0.01	
	Copper (and compounds)		0.001	
	Dibutyl phthalate		< 0.01	
	Dichloromethane		0.01	
	Formaldehyde		0.39	
	Hydrochloric acid		0.01	
	Manganese (and compounds)		0.05	
	Methanol		1.58	

EMISSION RATES FOR TAP/HAP & OTHER POLLUTANTS

AI ID: 12483 - TIN Inc dba Temple-Inland - Southwest Louisiana Lumber Operations

Activity Number: PER20040001

Permit Number: 0320-00018-V2

Air - Title V Regular Permit Renewal

Emission Pt.	Pollutant	Avg lb/hr	Max lb/hr	Tons/Year
EQT 0007 EP-4K	Naphthalene		< 0.01	
	Phosphorus		< 0.01	
	Propionaldehyde		0.01	
	Tetrachloroethylene		< 0.01	
	Zinc (and compounds)		0.03	
	n-Hexane		0.01	
EQT 0008 EP-5K	1,1,1-Trichloroethane		< 0.01	
	Acetaldehyde		0.28	
	Acrolein		0.061	
	Barium (and compounds)		0.132	
	Benzene		0.01	
	Chromium VI (and compounds)		0.001	
	Cobalt compounds		0.01	
	Copper (and compounds)		0.001	
	Dibutyl phthalate		< 0.01	
	Dichloromethane		0.01	
	Formaldehyde		0.39	
	Hydrochloric acid		0.01	
	Manganese (and compounds)		0.05	
	Methanol		1.58	
	Naphthalene		< 0.01	
	Phosphorus		< 0.01	
	Propionaldehyde		0.01	
EQT 0009 EP-6K	Tetrachloroethylene		< 0.01	
	Zinc (and compounds)		0.01	
	n-Hexane		0.01	
	1,1,1-Trichloroethane		< 0.01	
	Acetaldehyde		0.28	
	Acrolein		0.061	
	Barium (and compounds)		0.132	
	Benzene		0.01	
	Chromium VI (and compounds)		0.001	
	Cobalt compounds		0.01	
	Copper (and compounds)		0.001	

EMISSION RATES FOR TAP/HAP & OTHER POLLUTANTS

AI ID: 12483 - TIN Inc dba Temple-Inland - Southwest Louisiana Lumber Operations

Activity Number: PER20040001

Permit Number: 0320-00018-V2

Air - Title V Regular Permit Renewal

Emission Pt.	Pollutant	Avg lb/hr	Max lb/hr	Tons/Year
EQT 0009 EP-6K	Dibutyl phthalate		< 0.01	
	Dichloromethane		0.01	
	Formaldehyde		0.39	
	Hydrochloric acid		0.01	
	Manganese (and compounds)		0.05	
	Methanol		1.58	
	Naphthalene		< 0.01	
	Phosphorus		< 0.01	
	Propionaldehyde		0.01	
	Tetrachloroethylene		< 0.01	
	Zinc (and compounds)		0.01	
	n-Hexane		0.01	
EQT 0012 EP-7K	1,1,1-Trichloroethane		< 0.01	
	Acetaldehyde		0.28	
	Acrolein		0.061	
	Barium (and compounds)		0.132	
	Benzene		0.01	
	Chromium VI (and compounds)		0.001	
	Cobalt compounds		0.01	
	Copper (and compounds)		0.001	
	Dibutyl phthalate		< 0.01	
	Dichloromethane		0.01	
	Formaldehyde		0.39	
	Hydrochloric acid		0.01	
	Manganese (and compounds)		0.05	
	Methanol		1.58	
	Naphthalene		< 0.01	
	Phosphorus		< 0.01	
	Propionaldehyde		0.01	
	Tetrachloroethylene		< 0.01	
	Zinc (and compounds)		0.01	
	n-Hexane		0.01	
GRP 0002 K-CAP	1,1,1-Trichloroethane	< 0.01		0.01
	Acetaldehyde	0.81		3.56

EMISSION RATES FOR TAP/HAP & OTHER POLLUTANTS

AI ID: 12483 - TIN Inc dba Temple-Inland - Southwest Louisiana Lumber Operations

Activity Number: PER20040001

Permit Number: 0320-00018-V2

Air - Title V Regular Permit Renewal

Emission Pt.	Pollutant	Avg lb/hr	Max lb/hr	Tons/Year
GRP 0002 K-CAP	Acrolein	0.181		0.791
	Barium (and compounds)	0.387		1.699
	Benzene	0.02		0.09
	Chromium VI (and compounds)	0.002		0.009
	Cobalt compounds	0.03		0.15
	Copper (and compounds)	0.004		0.017
	Dibutyl phthalate	< 0.01		0.01
	Dichloromethane	0.03		0.12
	Formaldehyde	1.16		5.09
	Hydrochloric acid	0.03		0.12
	Manganese (and compounds)	0.15		0.64
	Methanol	4.65		20.36
	Naphthalene	0.01		0.03
	Phosphorus	0.01		0.04
UNF 0001 SWLA	Propionaldehyde	0.03		0.13
	Tetrachloroethylene	< 0.01		0.02
	Zinc (and compounds)	0.02		0.09
	n-Hexane	0.02		0.10
	1,1,1-Trichloroethane			0.01
	Acetaldehyde			3.56
	Acrolein			0.791
	Barium (and compounds)			1.699
	Benzene			0.09
	Chromium VI (and compounds)			0.009
	Cobalt compounds			0.15
	Copper (and compounds)			0.017
	Dibutyl phthalate			0.01
	Dichloromethane			0.12
	Formaldehyde			5.09
	Hydrochloric acid			0.12
	Manganese (and compounds)			0.64
	Methanol			20.36
	Naphthalene			0.03
	Phosphorus			0.04

EMISSION RATES FOR TAP/HAP & OTHER POLLUTANTS

AI ID: 12483 - TIN Inc dba Temple-Inland - Southwest Louisiana Lumber Operations

Activity Number: PER20040001

Permit Number: 0320-00018-V2

Air - Title V Regular Permit Renewal

Emission Pt.	Pollutant	Avg lb/hr	Max lb/hr	Tons/Year
UNF 0001 SWLA	Propionaldehyde			0.13
	Tetrachloroethylene			0.02
	Zinc (and compounds)			0.10
	n-Hexane			0.10

Note: Emission rates in bold are from alternate scenarios and are not included in permitted totals unless otherwise noted in a footnote. Emission rates attributed to the UNF reflect the sum of the TAP/HAP limits of the individual emission points (or caps) under this permit, but do not constitute an emission cap.

SPECIFIC REQUIREMENTS

AI ID: 12483 - TIN Inc dba Temple-Inland - Southwest Louisiana Lumber Operations
 Activity Number: PER20040001
 Permit Number: 0320-00018-V2
 Air - Title V Regular Permit Renewal

EQT0003 EP-1P Lumber Planer, Cut-off Saws, and Reclaim Hog Baghouse

- Specific QA/QC Procedures: Calibrate, operate, and maintain instrumentation using procedures that take into account manufacturer's specifications. [40 CFR 64.3(b)(3)]
- Pressure drop monitored by pressure drop instrument daily. [40 CFR 64.6(c)(1)]
- Which Months: All Year Statistical Basis: None specified
- Visible emissions monitored by visual inspection/determination weekly. [40 CFR 64.6(c)(1)]
- Which Months: All Year Statistical Basis: None specified
- An excursion or exceedance is defined as any visible emissions detected during checks which are above normal. Excursions will trigger inspection, corrective action, and documentation as needed. [40 CFR 64.6(c)(2)]
- An excursion or exceedance is defined as pressure drop exceeding 2.5 inches. Excursions will trigger inspection, corrective action, and documentation as needed. [40 CFR 64.6(c)(2)]
- Submit Notification: Due at the DEQ upon the establishment or reestablishment of any exceedance or excursion level, for purposes of responding to and reporting exceedances or excursions under 40 CFR 64.7 and 64.8. [40 CFR 64.6(c)(2)]
- Conduct the monitoring required under 40 CFR 64 upon issuance of a part 70 or 71 permit that includes such monitoring, or by such later date specified in the permit pursuant to 40 CFR 64.6(d). [40 CFR 64.7(a)]
- Maintain the monitoring required under 40 CFR 64 at all times, including but not limited to maintaining necessary parts for routine repairs of the monitoring equipment. [40 CFR 64.7(b)]
- Conduct all monitoring required under 40 CFR 64 in continuous operation (or collect data at all required intervals) at all times that the pollutant-specific emissions unit is operating, except for, as applicable, monitoring malfunctions, associated repairs, and required quality assurance or control activities (including, as applicable, calibration checks and required zero and span adjustments). Do not use data recorded during monitoring malfunctions, associated repairs, and required quality assurance or control activities for purposes of 40 CFR 64, including data averages and calculations, or for fulfilling a minimum data availability requirement, if applicable. Use all the data collected during all other periods in assessing the operation of the control device and associated control system. [40 CFR 64.7(c)]
- Restore operation of the pollutant-specific emissions unit (including the control device and associated capture system) to its normal or usual manner of operation as practicable upon detecting an excursion or exceedance, in accordance with good air pollution control practices for minimizing emissions. Minimize the period of any startup, shutdown or malfunction, and take any necessary corrective actions to restore normal operation and prevent the likely recurrence of the cause of an excursion or exceedance (other than those caused by excused startup or shutdown conditions). [40 CFR 64.7(d)(1)]
- Submit written notification: Due to the Office of Environmental Compliance within 72 hours upon identifying a failure to achieve compliance with the Particulate Matter emission limitation or the LAC 33:III.1311.B standard for which, after approval of monitoring under 40 CFR 64, the approved monitoring did not provide an indication of an excursion or exceedance while providing valid data, or the results of compliance or performance testing document a need to modify the existing indicator ranges or designated conditions. If necessary, submit a proposed modification to the part 70 or 71 permit to address the necessary monitoring changes. [40 CFR 64.7(e)]
- Submit written notification: Due to the Office of Environmental Compliance within 72 hours upon identifying a failure to achieve compliance with the opacity limitation or the LAC 33:III.1311.C standard for which, after approval of monitoring under 40 CFR 64, the approved monitoring did not provide an indication of an excursion or exceedance while providing valid data, or the results of compliance or performance testing document a need to modify the existing indicator ranges or designated conditions. If necessary, submit a proposed modification to the part 70 or 71 permit to address the necessary monitoring changes. [40 CFR 64.7(e)]

SPECIFIC REQUIREMENTS

AI ID: 12483 - TIN Inc dba Temple-Inland - Southwest Louisiana Lumber Operations
 Activity Number: PER20040001
 Permit Number: 0320-00018-Y2
 Air - Title V Regular Permit Renewal

EQT0003 EP-1P Lumber Planer, Cut-off Saws, and Reclaim Hog Baghouse

- 13 [40 CFR 64.8(a)] X
 14 [40 CFR 64.8(b)] X
 15 [40 CFR 64.8(c)] X
 16 [40 CFR 64.8(c)] X
 17 [40 CFR 64.8(d)]
 18 [40 CFR 64.9(a)]
 19 [40 CFR 64.9(b)(1)]
 20 [40 CFR 64.9(b)(1)]
 21 [40 CFR 64.9(b)(1)]
 22 [LAC 33:III.1305]
 23 [LAC 33:III.1311.B]
 24 [LAC 33:III.1311.C]
 25 [LAC 33:III.501.C.6]
 26 [LAC 33:III.507.H.1.a]
 27 [LAC 33:III.507.H.1.a]
- Threshold Limit: A threshold limit is defined as six exceedances of the limitation during any twelve month consecutive period. Upon exceeding the threshold limit, develop and implement a Quality Improvement Plan (QIP) as expeditiously as practical. [40 CFR 64.8(a)]
 If the threshold is exceeded, maintain a written Quality Improvement Plan (QIP) and have it available for inspection. Include initially in the plan procedures for evaluating the control performance problems and, based on the results of the evaluation procedures, modify the plan to include procedures for conducting one or more of the actions specified in 40 CFR 64.8(b)(2)(i) through (b)(2)(v), as appropriate. [40 CFR 64.8(b)]
 If the threshold is exceeded, develop and implement a Quality Improvement Plan (QIP) as expeditiously as practicable. [40 CFR 64.8(c)]
 Submit notification: If the threshold is exceeded, notify the DEQ if the period for completing the improvements contained in the Quality Improvement Plan (QIP) exceeds 180 days from the date on which the need to implement the QIP was determined. [40 CFR 64.8(c)]
 Make reasonable changes to the Quality Improvement Plan (QIP) as the DEQ requires, upon any determination pursuant to 40 CFR 64.7(d)(2)
 subsequent to implementation. [40 CFR 64.8(d)]
 Submit report: Due on and after the date specified in 40 CFR 64.7(a) by which the owner or operator must use monitoring that meets the requirements of 40 CFR 64. Submit monitoring reports to the DEQ in accordance with 40 CFR 70.6(a)(3)(iii). Include in a report for monitoring under 40 CFR 64, at a minimum, the information required under 40 CFR 70.6(a)(3)(iii) and the information specified in 40 CFR 64.9(a)(2)(i) through (a)(2)(iii), as applicable. [40 CFR 64.9(a)]
 Comply with the recordkeeping requirements specified in 40 CFR 70.6(a)(3)(ii). [40 CFR 64.9(b)(1)]
 Pressure drop monitoring and recordkeeping by logbook daily. Maintain records of monitor performance data, corrective actions taken, any written quality improvement plan required pursuant to 40 CFR 64.8 and any activities undertaken to implement a quality improvement plan, and other supporting information required to be maintained under 40 CFR 64 (such as data used to document the adequacy of monitoring, or records of monitoring maintenance or corrective actions). Maintain these records for a period of at least five years. [40 CFR 64.9(b)(1)]
 Visible emissions check monitoring and recordkeeping by logbook weekly. Maintain records of monitor performance data, corrective actions taken, any written quality improvement plan required pursuant to 40 CFR 64.8 and any activities undertaken to implement a quality improvement plan, and other supporting information required to be maintained under 40 CFR 64 (such as data used to document the adequacy of monitoring, or records of monitoring maintenance or corrective actions). Maintain these records for a period of at least five years. [40 CFR 64.9(b)(1)]
 Prevent particulate matter from becoming airborne by taking all reasonable precautions. These precautions shall include, but not be limited to, those specified in LAC 33:III.1305.1-7.
 Total suspended particulate <= 36.51 lb/hr. The rate of emission shall be the total of all emission points from the source.
 Which Months: All Year Statistical Basis: None specified
 Opacity <= 20 percent, except emissions may have an average opacity in excess of 20 percent for not more than one six-minute period in any 60 consecutive minutes.
 Which Months: All Year Statistical Basis: Six-minute average
 Particulate matter (10 microns or less) >= 99.5 % removal efficiency from filter manufacturer's certification.
 Which Months: All Year Statistical Basis: None specified
 Baghouses (including gaskets): Equipment/operational data monitored by technically sound method upon each occurrence of process unit shut down or whenever visible emission checks indicate maintenance may be necessary. Change elements as necessary.
 Which Months: All Year Statistical Basis: None specified
 Baghouses: Equipment/operational data recordkeeping by electronic or hard copy upon each occurrence of inspection. Keep records of maintenance inspections on site and available for inspection by the Office of Environmental Compliance, Surveillance Division.

SPECIFIC REQUIREMENTS

AI ID: 12483 - TIN Inc dba Temple-Inland - Southwest Louisiana Lumber Operations

Activity Number: PER20040001
 Permit Number: 0320-00018-V2
Air - Title V Regular Permit Renewal

EQT0003 EP-1P Lumber Planer, Cut-off Saws, and Reclaim Hog Baghouse

Filter vents: Visible emissions monitored by visual inspection/determination weekly. If visible emissions are observed, restore operation of the filter to its normal or usual manner of operation as expeditiously as practicable, but at a minimum within three working days, in accordance with good air pollution control practices for minimizing emissions.

Which Months: All Year Statistical Basis: None specified

Filter vents: Visible emissions recordkeeping by electronic or hard copy weekly. Keep records of visible emission checks on site and available for inspection by the Office of Environmental Compliance, Surveillance Division.

EQT0004 EP-2F Ash Collection System Baghouse

Specific QA/QC Procedures: Calibrate, operate, and maintain instrumentation using procedures that take into account manufacturer's specifications. [40 CFR 64.3(b)(3)]

Pressure drop monitored by pressure drop instrument daily. [40 CFR 64.6(c)(1)]

Which Months: All Year Statistical Basis: None specified

Visible emissions monitored by visual inspection/determination weekly. [40 CFR 64.6(c)(1)]

Which Months: All Year Statistical Basis: None specified

An excursion or exceedance is defined as any visible emissions detected during checks which are above normal. Excursions will trigger inspection, corrective action, and documentation as needed. [40 CFR 64.6(c)(2)]
 An excursion or exceedance is defined as pressure drop exceeding 5.0 inches. Excursions will trigger inspection, corrective action, and documentation as needed. [40 CFR 64.6(c)(2)]

Submit Notification: Due at the DEQ upon the establishment or reestablishment of any exceedance or excursion level, for purposes of responding to and reporting exceedances or excursions under 40 CFR 64.7 and 64.8. [40 CFR 64.6(c)(2)]
 Conduct the monitoring required under 40 CFR 64 upon issuance of a part 70 or 71 permit that includes such monitoring, or by such later date specified in the permit pursuant to 40 CFR 64.6(d). [40 CFR 64.7(a)]

Maintain the monitoring required under 40 CFR 64 at all times, including but not limited to maintaining necessary parts for routine repairs of the monitoring equipment. [40 CFR 64.7(b)]

Conduct all monitoring required under 40 CFR 64 in continuous operation (or collect data at all required intervals) at all times that the pollutant-specific emissions unit is operating, except for, as applicable, monitoring malfunctions, associated repairs, and required quality assurance or control activities (including, as applicable, calibration checks and required zero and span adjustments). Do not use data recorded during monitoring malfunctions, associated repairs, and required quality assurance or control activities for purposes of 40 CFR 64, including data averages and calculations, or for fulfilling a minimum data availability requirement, if applicable. Use all the data collected during all other periods in assessing the operation of the control device and associated control system. [40 CFR 64.7(c)]

Restore operation of the pollutant-specific emissions unit (including the control device and associated capture system) to its normal or usual manner of operation as expeditiously as practicable upon detecting an excursion or exceedance, in accordance with good air pollution control practices for minimizing emissions. Minimize the period of any startup, shutdown or malfunction, and take any necessary corrective actions to restore normal operation and prevent the likely recurrence of the cause of an excursion or exceedance (other than those caused by excused startup or shutdown conditions). [40 CFR 64.7(d)(1)]

SPECIFIC REQUIREMENTS**All ID: 12483 - TIN Inc dba Temple-Inland - Southwest Louisiana Lumber Operations****Activity Number: PER20040001****Permit Number: 0320-00018-V2****Air - Title V Regular Permit Renewal****EQT0004 EP-2F Ash Collection System Baghouse**

- 40 [40 CFR 64.7(e)] Submit written notification: Due to the Office of Environmental Compliance within 72 hours upon identifying a failure to achieve compliance with the Particulate Matter emission limitation or the LAC 33:III.1311.B standard for which, after approval of monitoring under 40 CFR 64, the approved monitoring did not provide an indication of an excursion or exceedance while providing valid data, or the results of compliance or performance testing document a need to modify the existing indicator ranges or designated conditions. If necessary, submit a proposed modification to the part 70 or 71 permit to address the necessary monitoring changes. [40 CFR 64.7(e)]
- 41 [40 CFR 64.7(e)] Submit written notification: Due to the Office of Environmental Compliance within 72 hours upon identifying a failure to achieve compliance with the opacity limitation or the LAC 33:III.1311.C standard for which, after approval of monitoring under 40 CFR 64, the approved monitoring did not provide an indication of an excursion or exceedance while providing valid data, or the results of compliance or performance testing document a need to modify the existing indicator ranges or designated conditions. If necessary, submit a proposed modification to the part 70 or 71 permit to address the necessary monitoring changes. [40 CFR 64.7(e)]
- 42 [40 CFR 64.8(a)] Threshold Limit: A threshold limit is defined as six exceedances of the limitation during any twelve month consecutive period. Upon exceeding the threshold limit, develop and implement a Quality Improvement Plan (QIP) as expeditiously as practical. [40 CFR 64.8(a)]
- 43 [40 CFR 64.8(b)] If the threshold is exceeded, maintain a written Quality Improvement Plan (QIP) and have it available for inspection. Include initially in the plan procedures for evaluating the control performance problems and, based on the results of the evaluation procedures, modify the plan to include procedures for conducting one or more of the actions specified in 40 CFR 64.8(b)(2)(i) through (b)(2)(v), as appropriate. [40 CFR 64.8(b)]
- 44 [40 CFR 64.8(c)] If the threshold is exceeded, develop and implement a Quality Improvement Plan (QIP) as expeditiously as practicable. [40 CFR 64.8(c)]
- 45 [40 CFR 64.8(c)] Submit notification: If the threshold is exceeded, notify the DEQ if the period for completing the improvements contained in the Quality Improvement Plan (QIP) exceeds 180 days from the date on which the need to implement the QIP was determined. [40 CFR 64.8(c)]
- 46 [40 CFR 64.8(d)] Make reasonable changes to the Quality Improvement Plan (QIP) as the DEQ requires, upon any determination pursuant to 40 CFR 64.7(d)(2) subsequent to implementation. [40 CFR 64.8(d)]
- 47 [40 CFR 64.9(a)] Submit report: Due on and after the date specified in 40 CFR 64.7(a) by which the owner or operator must use monitoring that meets the requirements of 40 CFR 64. Submit monitoring reports to the DEQ in accordance with 40 CFR 70.6(a)(3)(ii). Include in a report for monitoring under 40 CFR 64, at a minimum, the information required under 40 CFR 70.6(a)(3)(iii) and the information specified in 40 CFR 64.9(a)(2)(i) through (a)(2)(iii), as applicable. [40 CFR 64.9(a)]
- 48 [40 CFR 64.9(b)(1)] Comply with the recordkeeping requirements specified in 40 CFR 70.6(a)(3)(ii). [40 CFR 64.9(b)(1)]
- 49 [40 CFR 64.9(b)(1)] Pressure drop monitoring and recordkeeping by logbook daily. Maintain records of monitor performance data, corrective actions taken, any written quality improvement plan required pursuant to 40 CFR 64.8 and any activities undertaken to implement a quality improvement plan, and other supporting information required to be maintained under 40 CFR 64 (such as data used to document the adequacy of monitoring, or records of monitoring maintenance or corrective actions). Maintain these records for a period of at least five years. [40 CFR 64.9(b)(1)]
- 50 [40 CFR 64.9(b)(1)] Visible emissions check monitoring and recordkeeping by logbook weekly. Maintain records of monitor performance data, corrective actions taken, any written quality improvement plan required pursuant to 40 CFR 64.8 and any activities undertaken to implement a quality improvement plan, and other supporting information required to be maintained under 40 CFR 64 (such as data used to document the adequacy of monitoring, or records of monitoring maintenance or corrective actions). Maintain these records for a period of at least five years. [40 CFR 64.9(b)(1)]
- 51 [LAC 33:III.1305] Prevent particulate matter from becoming airborne by taking all reasonable precautions. These precautions shall include, but not be limited to, those specified in LAC 33:III.1305.A.1-7.
- 52 [LAC 33:III.1311.B] Total suspended particulate <= 36.51 lb/hr. The rate of emission shall be the total of all emission points from the source.
Which Months: All Year Statistical Basis: None specified

SPECIFIC REQUIREMENTS

AI ID: 12483 - TIN Inc dba Temple-Inland - Southwest Louisiana Lumber Operations
Activity Number: PER20040001
Permit Number: 0320-00018-V2
Air - Title V Regular Permit Renewal

EQT0004 EP-2F Ash Collection System Baghouse

Opacity <= 20 percent; except emissions may have an average opacity in excess of 20 percent for not more than one six-minute period in any 60 consecutive minutes.

Which Months: All Year Statistical Basis: Six-minute average

Particulate matter (10 microns or less) $\geq 99.9\%$ removal efficiency from filter manufacturer's certification.

Which Months: All Year Statistical Basis: None specified

Baghouses (including gaskets): Equipment/operational data monitored by technically sound method upon each occurrence of process unit shut down or whenever visible emission checks indicate maintenance may be necessary. Change elements as necessary.

Which Months: All Year Statistical Basis: None specified

Baghouses: Equipment/operational data recordkeeping by electronic or hard copy upon each occurrence of inspection. Keep records of maintenance inspections on site and available for inspection by the Office of Environmental Compliance, Surveillance Division.

Filter vents: Visible emissions monitored by visual inspection/determination weekly. If visible emissions are observed, restore operation of the filter to its normal or usual manner of operation as expeditiously as practicable, but at a minimum within three working days, in accordance with good air pollution control practices for minimizing emissions.

Which Months: All Year Statistical Basis: None specified

Filter vents: Visible emissions recordkeeping by electronic or hard copy weekly. Keep records of visible emission checks on site and available for inspection by the Office of Environmental Compliance, Surveillance Division.

EQT0005 EP-2P Fuel Silos Cyclone

Prevent particulate matter from becoming airborne by taking all reasonable precautions. These precautions shall include, but not be limited to, those specified in LAC 33:III.1305.A.1-7.

Total suspended particulate $\leq 11.22 \text{ lb/hr}$. The rate of emission shall be the total of all emission points from the source.

Which Months: All Year Statistical Basis: None specified

Opacity <= 20 percent; except emissions may have an average opacity in excess of 20 percent for not more than one six-minute period in any 60 consecutive minutes.

Which Months: All Year Statistical Basis: Six-minute average

Cyclone vents: Equipment/operational data monitored by technically sound method upon each occurrence of process unit shut down or whenever visible emission checks indicate maintenance may be necessary. Perform maintenance as necessary.

Which Months: All Year Statistical Basis: None specified

Cyclone vents: Equipment/operational data recordkeeping by electronic or hard copy upon each occurrence of inspection. Keep records of maintenance inspections on site and available for inspection by the Office of Environmental Compliance, Surveillance Division.

Cyclone vents: Visible emissions monitored by visual inspection/determination daily.

Which Months: All Year Statistical Basis: None specified

Cyclone vents: Visible emissions recordkeeping by electronic or hard copy daily. Keep records of visible emission checks on site and available for inspection by the Office of Environmental Compliance, Surveillance Division.

EQT0006 EP-3K Wood-fired Dry Kiln No. 1

SPECIFIC REQUIREMENTS

AI ID: 12483 - TIN Inc dba Temple-Inland - Southwest Louisiana Lumber Operations

Activity Number: PER20040001

Permit Number: 0320-00018-V2

Air - Title V Regular Permit Renewal

EQT0006 EP-3K Wood-fired Dry Kiln No. 1

- 66 [40 CFR 63.1-13] Permittee shall comply with all applicable provisions in 40 CFR 63 Subpart A.
- 67- [40 CFR 63.2233] Permittee shall comply with all applicable provisions in 40 CFR 63 Subpart DDDD by the compliance date of October 1, 2008.
- 68 [40 CFR 63.2252] Process units not subject to the compliance options or work practice requirements specified in 40 CFR 63.2240 (including, but not limited to, lumber kilns), are not required to comply with the compliance options, work practice requirements, performance testing, monitoring, SSM plans, and recordkeeping or reporting requirements of this subpart, or any other requirements in subpart A of this part, except for the initial notification requirements in 40 CFR 63.9(b).
- Opacity <= 20 percent, except during the cleaning of a new fire box or building of a new fire, soot blowing or lancing, charging of an incinerator, equipment changes, ash removal or rapping of precipitators, which may have an opacity in excess of 20 percent for not more than one six-minute period in any 60 consecutive minutes.

- Which Months: All Year Statistical Basis: None specified
Opacity <= 20 percent; except emissions may have an average opacity in excess of 20 percent for not more than one six-minute period in any 60 consecutive minutes.
- Which Months: All Year Statistical Basis: Six-minute average
Equipment/operational data recordkeeping by electronic or hard copy once initially and annually. Record and retain at the site sufficient data to show annual potential sulfur dioxide emissions.

- Determined as BACT in PSD-LA-T24: I
VOC: 2.82 lb/M bf when drying lumber, Proper kiln design and operation and an annual production limit for the five wood-fired dry kilns, EQT006, EQT007, EQT008, EQT009, and EQT012.
- Include emissions of all toxic air pollutants listed in LAC 33:III.5112, Table 51.1 or 51.3 in the Annual Emissions Report unless exempted under LAC 33:III.5105.B.

- Compliance with NESHAP 40 CFR 63 Subpart DDDD has been determined to be compliance with MACT in accordance with LAC 33:III.5109.A.2. Maximum Achievable Control Technology (MACT) for the lumber kiln is determined to be no further control.

EQT0007 EP-4K Wood-fired Dry Kiln No. 2

- 75 [40 CFR 63.1-13] Permittee shall comply with all applicable provisions in 40 CFR 63 Subpart A.
- 76 [40 CFR 63.2233] Permittee shall comply with all applicable provisions in 40 CFR 63 Subpart DDDD by the compliance date of October 1, 2008.
- 77 [40 CFR 63.2252] Process units not subject to the compliance options or work practice requirements specified in 40 CFR 63.2240 (including, but not limited to, lumber kilns), are not required to comply with the compliance options, work practice requirements, performance testing, monitoring, SSM plans, and recordkeeping or reporting requirements of this subpart, or any other requirements in subpart A of this part, except for the initial notification requirements in 40 CFR 63.9(b).
- Opacity <= 20 percent, except during the cleaning of a new fire box or building of a new fire, soot blowing or lancing, charging of an incinerator, equipment changes, ash removal or rapping of precipitators, which may have an opacity in excess of 20 percent for not more than one six-minute period in any 60 consecutive minutes.

- Which Months: All Year Statistical Basis: None specified

SPECIFIC REQUIREMENTS**AI ID: 12483 - TIN Inc dba Temple-Inland - Southwest Louisiana Lumber Operations**

Activity Number: PER20040001
 Permit Number: 0320-00018-V2
 Air - Title V Regular Permit Renewal

EQT0007 EP-4K Wood-fired Dry Kiln No. 2

- 79 [LAC 33:III.1311.C] Opacity <= 20 percent; except emissions may have an average opacity in excess of 20 percent for not more than one six-minute period in any 60 consecutive minutes.
 Which Months: All Year Statistical Basis: Six-minute average
 Equipment/operational data recordkeeping by electronic or hard copy once initially and annually. Record and retain at the site sufficient data to show annual potential sulfur dioxide emissions.
 Determined as BACT in PSD-LA-724:2
 VOC: 2.82 lb/M bf when drying lumber; Proper kiln design and operation and an annual production limit for the five wood-fired dry kilns, EQT006, EQT007, EQT008, EQT009, and EQT012.
 Include emissions of all toxic air pollutants listed in LAC 33:III.5112, Table 51.1 or 51.3 in the Annual Emissions Report unless exempted under LAC 33:III.5105.B.
 Compliance with NESHAP 40 CFR 63 Subpart DDDD has been determined to be compliance with MACT in accordance with LAC 33:III.5109.A.2. Maximum Achievable Control Technology (MACT) for the lumber kiln is determined to be no further control.
- 80 [LAC 33:III.1513.C]
- 81 [LAC 33:III.509]
- 82 [LAC 33:III.5107.A.2]
- 83 [LAC 33:III.5109.A.1]

EQT0008 EP-5K Wood-fired Dry Kiln No. 3

- 84 [40 CFR 63.1-13] Permittee shall comply with all applicable provisions in 40 CFR 63 Subpart A.
 85 [40 CFR 63.2233] Permittee shall comply with all applicable provisions in 40 CFR 63 Subpart DDDD by the compliance date of October 1, 2008.
 86 [40 CFR 63.2252] Process units not subject to the compliance options or work practice requirements specified in 40 CFR 63.2240 (including, but not limited to, lumber kilns), are not required to comply with the compliance options, work practice requirements, performance testing, monitoring, SSM plans, and recordkeeping or reporting requirements of this subpart, or any other requirements in subpart A of this part, except for the initial notification requirements in 40 CFR 63.9(b).
 Opacity <= 20 percent, except during the cleaning of a fire box or building of a new fire, soot blowing or lancing, charging of an incinerator, equipment changes, ash removal or rapping of precipitators, which may have an opacity in excess of 20 percent for not more than one six-minute period in any 60 consecutive minutes.
 Which Months: All Year Statistical Basis: None specified
 Opacity <= 20 percent; except emissions may have an average opacity in excess of 20 percent for not more than one six-minute period in any 60 consecutive minutes.
 Which Months: All Year Statistical Basis: Six-minute average
 Equipment/operational data recordkeeping by electronic or hard copy once initially and annually. Record and retain at the site sufficient data to show annual potential sulfur dioxide emissions.
 Determined as BACT in PSD-LA-724:2
 VOC: 2.82 lb/M bf when drying lumber; Proper kiln design and operation and an annual production limit for the five wood-fired dry kilns, EQT006, EQT007, EQT008, EQT009, and EQT012.
 Include emissions of all toxic air pollutants listed in LAC 33:III.5112, Table 51.1 or 51.3 in the Annual Emissions Report unless exempted under LAC 33:III.5105.B.
 Compliance with NESHAP 40 CFR 63 Subpart DDDD has been determined to be compliance with MACT in accordance with LAC 33:III.5109.A.2. Maximum Achievable Control Technology (MACT) for the lumber kiln is determined to be no further control.
- 87 [LAC 33:III.1101.B]
- 88 [LAC 33:III.1311.C]
- 89 [LAC 33:III.1513.C]
- 90 [LAC 33:III.509]
- 91 [LAC 33:III.5107.A.2]
- 92 [LAC 33:III.5109.A.1]

SPECIFIC REQUIREMENTS

AI ID: 12483 - TIN Inc dba Temple-Inland - Southwest Louisiana Lumber Operations

Activity Number: PER20040001

Permit Number: 0320-00018-V2

Air - Title V Regular Permit Renewal

EQT0007 EP-4K Wood-fired Dry Kiln No. 2

- 79 [LAC 33:III.1311.C] Opacity <= 20 percent; except emissions may have an average opacity in excess of 20 percent for not more than one six-minute period in any 60 consecutive minutes.
Which Months: All Year Statistical Basis: Six-minute average
Equipment/operational data recordkeeping by electronic or hard copy once initially and annually. Record and retain at the site sufficient data to show annual potential sulfur dioxide emissions.
Determined as BACT in PSD-LA-724:2.
- 80 [LAC 33:III.1513.C] VOC: 2.82 lb/M³ bf when drying lumber; Proper kiln design and operation and an annual production limit for the five wood-fired dry kilns, EQT006, EQT007, EQT008, EQT009, and EQT012.
Include emissions of all toxic air pollutants listed in LAC 33:III.5112, Table 51.1 or 51.3 in the Annual Emissions Report unless exempted under LAC 33:III.5105.B.
- 81 [LAC 33:III.509] Compliance with NESHAP 40 CFR 63 Subpart DDDD has been determined to be compliance with MACT in accordance with LAC 33:III.5109.A.2. Maximum Achievable Control Technology (MACT) for the lumber kiln is determined to be no further control.

EQT0008 EP-5K Wood-fired Dry Kiln No. 3

- 84 [40 CFR 63.1-13] Permittee shall comply with all applicable provisions in 40 CFR 63 Subpart A.
Permittee shall comply with all applicable provisions in 40 CFR 63 Subpart DDDD by the compliance date of October 1, 2008.
Process units not subject to the compliance options or work practice requirements specified in 40 CFR 63.2240 (including, but not limited to, lumber kilns), are not required to comply with the compliance options, work practice requirements, performance testing, monitoring, SSM plans, and recordkeeping or reporting requirements of this subpart, or any other requirements in subpart A of this part, except for the initial notification requirements in 40 CFR 63.9(b).
Opacity <= 20 percent, except during the cleaning of a fire box or building of a new fire, soot blowing or lancing, charging of an incinerator, equipment changes, ash removal or rapping of precipitators, which may have an opacity in excess of 20 percent for not more than one six-minute period in any 60 consecutive minutes.
Which Months: All Year Statistical Basis: None specified
Opacity <= 20 percent; except emissions may have an average opacity in excess of 20 percent for not more than one six-minute period in any 60 consecutive minutes.
Which Months: All Year Statistical Basis: Six-minute average
Equipment/operational data recordkeeping by electronic or hard copy once initially and annually. Record and retain at the site sufficient data to show annual potential sulfur dioxide emissions.
Determined as BACT in PSD-LA-724:2.
- 85 [40 CFR 63.2233] VOC: 2.82 lb/M³ bf when drying lumber; Proper kiln design and operation and an annual production limit for the five wood-fired dry kilns, EQT006, EQT007, EQT008, EQT009, and EQT012.
Include emissions of all toxic air pollutants listed in LAC 33:III.5112, Table 51.1 or 51.3 in the Annual Emissions Report unless exempted under LAC 33:III.5105.B.
- 86 [40 CFR 63.2252] Compliance with NESHAP 40 CFR 63 Subpart DDDD has been determined to be compliance with MACT in accordance with LAC 33:III.5109.A.2. Maximum Achievable Control Technology (MACT) for the lumber kiln is determined to be no further control.
- 87 [LAC 33:III.1101.B]
- 88 [LAC 33:III.1311.C]
- 89 [LAC 33:III.1513.C]
- 90 [LAC 33:III.509]
- 91 [LAC 33:III.5107.A.2]
- 92 [LAC 33:III.5109.A.1]

SPECIFIC REQUIREMENTS

AI ID: 12483 - TIN Inc dba Temple-Inland - Southwest Louisiana Lumber Operations

Activity Number: PER20040001

Permit Number: 0320-00018-V2

Air - Title V Regular Permit Renewal

EQT0009 EP-6K Wood-fired Dry Kiln No. 4

- 93 [40 CFR 63.1-13] Permittee shall comply with all applicable provisions in 40 CFR 63 Subpart A.
- 94 [40 CFR 63.2233] Permittee shall comply with all applicable provisions in 40 CFR 63 Subpart DDDD by the compliance date of October 1, 2008.
- 95 [40 CFR 63.2252] Process units not subject to the compliance options or work practice requirements specified in 40 CFR 63.2240 (including, but not limited to, lumber kilns), are not required to comply with the compliance options, work practice requirements, performance testing, monitoring, SSM plans, and recordkeeping or reporting requirements of this subpart, or any other requirements in subpart A of this part, except for the initial notification requirements in 40 CFR 63.9(b).
- 96 [LAC 33:III.1101.B] Opacity <= 20 percent, except during the cleaning of a fire box or building of a new fire, soot blowing or lancing, charging of an incinerator, equipment changes, ash removal or rapping of precipitators, which may have an opacity in excess of 20 percent for not more than one six-minute period in any 60 consecutive minutes.

Which Months: All Year Statistical Basis: None specified

Opacity <= 20 percent; except emissions may have an average opacity in excess of 20 percent for not more than one six-minute period in any 60 consecutive minutes.

Which Months: All Year Statistical Basis: Six-minute average

Equipment/operational data recordkeeping by electronic or hard copy once initially and annually. Record and retain at the site sufficient data to show annual potential sulfur dioxide emissions.

Determined as BACT in PSD-LA-724:7 VOC: 2.82 lb/M bf when drying lumber; Proper kiln design and operation and an annual production limit for the five wood-fired dry kilns, EQT006, EQT007, EQT008, EQT009, and EQT012.

Include emissions of all toxic air pollutants listed in LAC 33:III.5112, Table 51.1 or 51.3 in the Annual Emissions Report unless exempted under LAC 33:III.5105.B.

Compliance with NESHAP 40 CFR 63 Subpart DDDD has been determined to be compliance with MACT in accordance with LAC 33:III.5109.A.2. Maximum Achievable Control Technology (MACT) for the lumber kiln is determined to be no further control.

EQT0010 FWP-1 Caterpillar 3208 Fire Water Pump Engine

- 102 [LAC 33:III.1101.B] Opacity <= 20 percent, except during the cleaning of a fire box or building of a new fire, soot blowing or lancing, charging of an incinerator, equipment changes, ash removal or rapping of precipitators, which may have an opacity in excess of 20 percent for not more than one six-minute period in any 60 consecutive minutes.
- Which Months: All Year Statistical Basis: Six-minute average
- Equipment/operational data recordkeeping by electronic or hard copy once initially and annually. Record and retain at the site sufficient data to show annual potential sulfur dioxide emissions.
- Operating time <= 50 hr/yr. Noncompliance with this limitation is a reportable violation of the permit. Notify the Office of Environmental Compliance, Enforcement Division if the total operating time exceeds the maximum listed in this specific condition for any twelve consecutive month period.
- Which Months: All Year Statistical Basis: None specified

SPECIFIC REQUIREMENTS

AI ID: 12483 - TIN Inc dba Temple-Inland - Southwest Louisiana Lumber Operations

Activity Number: PER20040001

Permit Number: 0320-00018-V2

Air - Title V Regular Permit Renewal

EQT0010 FWP-1 Caterpillar 3208 Fire Water Pump Engine

- 106 [LAC 33:III.501.C.6] Operating time monitored by technically sound method continuously.
Which Months: All Year - Statistical Basis: None specified
- 107 [LAC 33:III.501.C.6] Operating time recordkeeping by electronic or hard copy monthly. Keep records of the total operating time each month, as well as the total operating time for the last twelve months. Make records available for inspection by DEQ personnel.
- 108 [LAC 33:III.501.C.6] Submit report: Due annually, by the 31st of March. Report the total operating time for the preceding calendar year to the Office of Environmental Compliance, Enforcement Division.

EQT0011 GASTANK 1,000 gal Gasoline Storage Tank

- 109 [LAC 33:III.2.103.A] Equip with a submerged fill pipe.
- 110 [LAC 33:III.2.111] Equip all rotary pumps and compressors handling volatile organic compounds having a true vapor pressure of 1.5 psia or greater at handling conditions with mechanical seals or other equivalent equipment.

EQT0012 EP-7K Wood-fired Dry Kiln No. 5

- 111 [40 CFR 63.1-13] Permittee shall comply with all applicable provisions in 40 CFR 63 Subpart A.
- 112 [40 CFR 63.2233] Permittee shall comply with all applicable provisions in 40 CFR 63 Subpart DDDD by the compliance date of October 1, 2008.
- 113 [40 CFR 63.2252] Process units not subject to the compliance options or work practice requirements specified in 40 CFR 63.2240 (including, but not limited to, lumber kilns), are not required to comply with the compliance options, work practice requirements, performance testing, monitoring, SSM plans, and recordkeeping or reporting requirements of this subpart, or any other requirements in subpart A of this part, except for the initial notification requirements in 40 CFR 63.9(b).
- 114 [LAC 33:III.1101.B] Opacity <= 20 percent, except during the cleaning of a fire box or building of a new fire, soot blowing or lancing, charging of an incinerator, equipment changes, ash removal or rapping of precipitators, which may have an opacity in excess of 20 percent for not more than one six-minute period in any 60 consecutive minutes.
Which Months: All Year - Statistical Basis: None specified
Opacity <= 20 percent; except emissions may have an average opacity in excess of 20 percent for not more than one six-minute period in any 60 consecutive minutes.
- 115 [LAC 33:III.1311.C] Which Months: All Year - Statistical Basis: Six-minute average
Equipment/operational data recordkeeping by electronic or hard copy once initially and annually. Record and retain at the site sufficient data to show annual potential sulfur dioxide emissions.
Determined as BACT in PSD-LA-724:
VOC: 2.82 lb/M ft when drying lumber; Proper kiln design and operation and an annual production limit for the five wood fired dry kilns, EQT006, EQT007, EQT008, EQT009, and EQT012.
Include emissions of all toxic air pollutants listed in LAC 33:III.5112, Table 51.1 or 51.3 in the Annual Emissions Report unless exempted under LAC 33:III.5105.B.
- 116 [LAC 33:III.1513.C] Compliance with NESHAP 40 CFR 63 Subpart DDDD has been determined to be compliance with MACT in accordance with LAC 33:III.5109.A.2.
- 117 [LAC 33:III.509] Compliance with NESHAP 40 CFR 63 Subpart DDDD has been determined to be no further control.
- 118 [LAC 33:III.5107.A.2]
- 119 [LAC 33:III.5109.A.1]

SPECIFIC REQUIREMENTS

AI ID: 12483 - TIN Inc dba Temple-Inland - Southwest Louisiana Lumber Operations

Activity Number: PER20040001
 Permit Number: 0320-00018-V2
 Air - Title V Regular Permit Renewal

FUG0001 HANDFUG Material Handling Fugitives

Prevent particulate matter from becoming airborne by taking all reasonable precautions. These precautions shall include, but not be limited to, those specified in LAC 33:III.1305.1-7.
 Opacity <= 20 percent; except emissions may have an average opacity in excess of 20 percent for not more than one six-minute period in any 60 consecutive minutes.

Which Months: All Year	Statistical Basis: Six-minute average
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FUG0002 HAULROAD Haul Roads

Prevent particulate matter from becoming airborne by taking all reasonable precautions. These precautions shall include, but not be limited to, those specified in LAC 33:III.1305.1-7.
 Opacity <= 20 percent; except emissions may have an average opacity in excess of 20 percent for not more than one six-minute period in any 60 consecutive minutes.

Which Months: All Year	Statistical Basis: Six-minute average
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GRP0002 K-CAP Kiln CAP

Group Members: EQT0008 EQT0009 EQT0012 EQT0006 EQT0007

Submit report: Due annually, by the 31st of March. Report the throughput to the five kilns for the preceding calendar year to the Office of Environmental Compliance, Enforcement Division.
 Throughput recordkeeping by electronic or hard copy monthly. Keep records of the total production rate each month, as well as the total to the five kilns for the last twelve months. Make records available for inspection by DEQ personnel.
 Throughput to the five kilns <= 254.5 MM bd ft/yr. Noncompliance with this limitation is a reportable violation of the permit. Notify the Office of Environmental Compliance, Enforcement Division if the throughput to the five kilns exceeds the maximum listed in this specific condition for any twelve consecutive month period.
 Throughput to the five kilns monitored by technically sound method continuously.

UNF0001 SWLA Lumber Operations

All affected facilities shall comply with all applicable provisions in 40 CFR 63 Subpart A as delineated in Table 10 of 40 CFR 63 Subpart DDDD.
 Submit Title V permit application for renewal: Due 180 calendar days before permit expiration date. [40 CFR 70.5(a)(1)(iii)]
 Submit Title V monitoring results report: Due semiannually, by March 31st and September 30th for the preceding periods encompassing July through December and January through June, respectively. Submit reports to the Office of Environmental Compliance, Surveillance Division. Certify reports by a responsible company official. Clearly identify all instances of deviations from permitted monitoring requirements. For previously reported deviations, in lieu of attaching the individual deviation reports, clearly reference the communication(s)/correspondence(s) constituting the prior report, including the date the prior report was submitted. [40 CFR 70.6(a)(3)(iii)(A)]

AI ID: 124483 - TIN Inc dba Temple-Inland - Southwest Louisiana Lumber Operations
Activity Number: PER20040001
Permit Number: 0320-00018-V2
Air - Title V Regular Permit Renewal

SPECIFIC REQUIREMENTS

UNF0001 SWLA Lumber Operations

- 131 [40 CFR 70.6(a)(3)(iii)(B)] Submit Title V excess emissions report: Due quarterly, by June 30, September 30, December 31, March 31. Submit reports of all permit deviations to the Office of Environmental Compliance, Surveillance Division. Certify all reports by a responsible official in accordance with 40 CFR 70.5(d). The reports submitted on March 31 and September 30 may be consolidated with the semi-annual reports required by 40 CFR 70.6(a)(3)(iii)(A) as long as the report clearly indicates this and all required information is included and clearly delineated in the consolidated report. [40 CFR 70.6(a)(3)(iii)(B)]
- 132 [40 CFR 70.6(c)(5)(iv)] Submit Title V compliance certification: Due annually, by the 31st of March. Submit to the Office of Environmental Compliance, Surveillance Division. [40 CFR 70.6(c)(5)(iv)]
- 133 [LAC 33:III.1103] Emissions of smoke which pass onto or across a public road and create a traffic hazard by impairment of visibility as defined in LAC 33:III.111
- 134 [LAC 33:III.1109.B] Emissions of particulate matter which pass onto or across a public road and create a traffic hazard by impairment of visibility or intensify an existing traffic hazard condition are prohibited.
- 135 [LAC 33:III.1303.B] Outdoor burning of waste material or other combustible material is prohibited.
- 136 [LAC 33:III.2113.A] Maintain best practical housekeeping and maintenance practices at the highest possible standards to reduce the quantity of organic compounds emissions. Good housekeeping shall include, but not be limited to, the practices listed in LAC 33:III.2113.A.1-5.
- 137 [LAC 33:III.21.9] Failure to pay the prescribed application fee or annual fee as provided herein, within 90 days after the due date, will constitute a violation of these regulations and shall subject the person to applicable enforcement actions under the Louisiana Environmental Quality Act including, but not limited to, revocation or suspension of the applicable permit, license, registration, or variance.
- 138 [LAC 33:III.509] Comply with the requirements of PSD-LA-724. This permit includes provisions of the Prevention of Significant Deterioration (PSD) review from Permit PSD-LA-724.
- 139 [LAC 33:III.5107.A.2] Include a certification statement with the annual emission report and revisions to any emission report that attests that the information contained in the emission report is true, accurate, and complete, and that is signed by a responsible official, as defined in LAC 33:III.502. Include the full name of the responsible official, title, signature, date of signature and phone number of the responsible official.
- 140 [LAC 33:III.5107.A] Submit Annual Emissions Report (TEDI): Due annually, by the 31st of March unless otherwise directed by DEQ, to the Office of Environmental Assessment in a format specified by DEQ. Identify the quantity of emissions in the previous calendar year for any toxic air pollutant listed in Table 51.1 or Table 51.3.
- 141 [LAC 33:III.5107.B.1] Submit notification: Due to the Department of Public Safety 24-hour Louisiana Emergency Hazardous Materials Hotline at (225) 925-6595 immediately, but in no case later than 1 hour, after any discharge of a toxic air pollutant into the atmosphere that results or threatens to result in an emergency condition (a condition which could reasonably be expected to endanger the health and safety of the public, cause significant adverse impact to the land, water or air environment, or cause severe damage to property).
- 142 [LAC 33:III.5107.B.2] Submit notification: Due to SPOC, except as provided in LAC 33:III.5107.B.6, no later than 24 hours after the beginning of any unauthorized discharge into the atmosphere of a toxic air pollutant as a result of bypassing an emission control device, when the emission control bypass was not the result of an upset, and the quantity of the unauthorized bypass is greater than or equal to the lower of the Minimum Emission Rate (MER) in LAC 33:III.5112, Table 51.1, or a reportable quantity (RQ) in LAC 33:III.3931, or the quantity of the unauthorized bypass is greater than one pound and there is no MER or RQ for the substance in question. Submit notification in the manner provided in LAC 33:III.3923.

SPECIFIC REQUIREMENTS**AI ID: 12483 - TIN Inc dba Temple-Inland - Southwest Louisiana Lumber Operations**

Activity Number: PER20040001
 Permit Number: 0320-00018-V2
 Air - Title V Regular Permit Renewal

UNF0001 SWLA Lumber Operations

- 143 [LAC 33:III.5107.B.3] Submit notification: Due to SPOC, except as provided in LAC 33:III.5107.B.6, immediately, but in no case later than 24 hours after any unauthorized discharge of a toxic air pollutant into the atmosphere that does not cause an emergency condition, the rate or quantity of which is in excess of that allowed by permit, compliance schedule, or variance, or for upset events that exceed the reportable quantity in LAC 33:1.3931.
- Submit notification in the manner provided in LAC 33:1.3923.
- 144 [LAC 33:III.5107.B.4] Submit written report: Due by certified mail to SPOC within seven calendar days of learning of any such discharge or equipment bypass as referred to in LAC 33:III.5107.B.1 through B.3. Include the information specified in LAC 33:III.5107.B.4.a.i through B.4.a.viii.
- Report all discharges to the atmosphere of a toxic air pollutant from a safety relief device, a line or vessel rupture, a sudden equipment failure, or a bypass of an emission control device, regardless of quantity, IF THEY CAN BE MEASURED AND CAN BE RELIABLY QUANTIFIED USING GOOD ENGINEERING PRACTICES, to DEQ along with the annual emissions report and where otherwise specified. Include the identity of the source, the date and time of the discharge, and the approximate total loss during the discharge.
- Develop a standard operating procedure (SOP) within 120 days after achieving or demonstrating compliance with the standards specified in LAC 33:III.Chapter 51. Detail in the SOP all operating procedures or parameters established to ensure that compliance with the applicable standards is maintained and address operating procedures for any monitoring system in place, specifying procedures to ensure compliance with LAC 33:III.5113.C.5. Make a written copy of the SOP available on site or at an alternate approved location for inspection by DEQ. Provide a copy of the SOP within 30 days upon request by DEQ.
- 145 [LAC 33:III.5107.B.5] Submit standby plan for the reduction or elimination of emissions during an Air Pollution Alert, Air Pollution Warning, or Air Pollution Emergency: Due within 30 days after requested by the administrative authority.
- During an Air Pollution Alert, Air Pollution Warning or Air Pollution Emergency, make the standby plan available on the premises to any person authorized by the department to enforce these regulations.
- 146 [LAC 33:III.5109.C] Submit Emission Inventory (EI)/Annual Emissions Statement: Due annually, by the 31st of March for the period January 1 to December 31 of the previous year unless otherwise directed. Submit emission inventory data in the format specified by the Office of Environmental Assessment, Air Quality Assessment Division. Include all data applicable to the emissions source(s), as specified in LAC 33:III.919.A-D.
- 147 [LAC 33:III.5611.A]
- 148 [LAC 33:III.5611.B]
- 149 [LAC 33:III.919.D]